CONTENTS

- Please visit our website: www.tai-tech.com.tw for the latest specification.
- Detailed Specifications are available upon request.
- Customized specifications are available , please contact TAI-TECH for the details.
- 最新規格可瀏覽網站： www.tai-tech.com.tw
- 詳細規格可在需求時提供
- 特殊規格可開發，詳情請洽西北臺慶

Products Line Up

■ **EMI Suppression Filters**

Description	Type	P/N	Size (mm)	Impedance Range (ohm)	Rated Current (mA)	*OP Temp.	Page
Ferrite Chip Beads	Normal	FCM-K	1005	30 – 1000	50 – 300	0	30
	High Freq.	FCM-M	1005	60 – 300	50 – 100	0	30
	High Current	HCB	1005	10 – 220	1500 – 3000	0	32
FCM/HCB 	Normal	FCM-K,H	1608	30 – 2000	150 – 700	0	34
	High Freq.	FCM-C	1608	10 – 1000	80 – 700	0	34
	High Current	HCB	1608	26 – 1000	1000 – 6000	0	37
	Normal	FCM-K,H	2012	11 – 2000	250 – 900	0	40
FCA 	High Freq.	FCM-C,H	2012	7 – 1000	200 – 700	0	40
	High Current	HCB	2012	22 – 1000	1000 – 6000	0	43
	Normal	FCM-K	3216	26 – 600	400 – 900	0	46
	High Current	HCB	3216	30 – 600	1000 – 3000	0	48
BPH 	Array Normal	FCA-K	3216	30 – 1000	150 – 500	0	50
	Array High Freq.	FCA-M	3216	30 – 300	200 – 400	0	50
	Ultra High Current	BPH	323023	23	15000	1	52
	Ultra High Current	BPH	403025	35	15000	1	52
	High Current	HCB	4516	60 – 80	3000 – 6000	0	53
	High Current	HCB	4532	80 – 1300	3000 – 6000	0	54
	Ultra High Current	BPH	853225	65	18000	1	52
Common Mode Chokes	USB 3.1/HDMI 2.1	HSF	1210	22 – 90	200 – 400	1	56
	Normal	WCM	2012	67 – 1000	100 – 400	1	57
	HDMI 2.0	HDMI	2012	67 – 90	300 – 400	1	60
WCM HDMI/HSF DCM/BCM 	USB 3.0	HSF	2012	50 – 90	400	1	61
	3-Wires	TCM	2520	67	500	1	62
	Normal	WCM	3216	90 – 2200	200 – 400	1	63
	LAN, Low RDC	DCM	3216	60 uH	200	3	65
TCM 	Normal	WCM	3225	90 – 1000	400 – 1000	1	66
	3-Wires	TCM	3225	160 – 500	200 – 500	1	67
	CAN Bus, Ethernet	ACM	3225	11-200 uH	70-300	0,1	68
	LAN, Low RDC	DCM	3532	75 uH	300	1	69
ACM 	High Current	WCM	4532HI	90 – 2800	900 – 4000	1	70
	CAN Bus ,Ethernet	ACM	4532	11-200 uH	100-360	0,1	72
	Ethernet 100/1000 CMC	ACM-T	4532	100-160 uH		1	73
	Ethernet PoDL CMC	ACM-T	6545	100 uH		1	74
Balun	Balun Filter	BCM	2012	-	-	1	75

Note: Operating Temperature:

A: -55℃~+180℃,0: -55℃~+150℃, 1: -55℃~+125℃, 2: -40℃~+105℃,3: -40℃~+85℃.

Products Line Up

■ Chip Coils / Inductors

Description	Type	P/N	Size (mm)	Inductance Range (uH)	Rated Current (mA)	*OP Temp.	Page
Inductors FCI  SWF-L  SWF-C  APO  TXF-W 	Multilayer	FCI	1005	0.220 – 2.20	10 – 25	1	77
	Multilayer	FCI	1608	0.047 – 10.0	15 – 50	1	78
	Wire High Q	SWF-L	1608	0.047 – 10.0	270 – 1500	1	79
	Wire Low RDC	SWF-C	1608	0.047 – 10.0	180 – 1400	1	81
	Multilayer	FCI	201209	0.047 – 2.2	30 – 300	1	82
	Multilayer	FCI	201212	0.470 – 10.0	15 – 200	1	82
	Wire Low RDC	SWF-C	2012	0.470 – 33.0	145 – 750	1	83
	Wire Low RDC	SWF-C	2520	1.000 – 33.0	236 – 1000	1	84
	Multilayer	FCI	3216	0.047 – 10.0	25 – 300	1	85
	Wire Low RDC	SWF-C	3225	1.000 – 680	76 – 1200	1	86
	Power Over Coax	APO	3225	47 uH	300	1	87
	LAN Transformer	TXF-W	4632	180 uH		3	88
Ceramic High Freq. Inductors SWI 	Normal	SWI	0603	2.0 – 390(nH)	100 – 700	1	89
	Normal	SWI	0805	2.8 – 1200(nH)	170 – 800	1	91
	Normal	SWI	1008	10– 10000(nH)	170 – 1000	1	93
Hearing Aid (HAC) Inductors PAS2016~4018  PAS4420~1225 	Z Type	PAS	2016	1000	20	1	95
		PAS	3010	280	50	1	96
		PAS	3012	680	80	1	97
		PAS	3015	1200	80	1	98
		PAS	4018	1000	60	1	99
	X/Y Type	PAS	4420	3500 – 4900	20	1	100
		PAS	6420	700 – 7200	15 – 80	1	101
		PAS	8027	4500-19000	20	1	102
		PAS	1225	100 – 7200	50 – 300	1	103

Note: Operating Temperature:

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Products Line Up

■ **Power Inductors**

Description	Type	P/N	Size (mm)	Inductance (uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Power Inductors	Sealed High Current	DFP	201208BV	0.24 – 10.0	0.40 – 2.50	0.35 – 2.30	1	105
	Sealed High Current	DFP	201210BV	0.24 – 10.0	0.40 – 3.20	0.45 – 3.00	1	107
	Sealed Low RDC	UHP	201610NV	0.47 – 22.0	0.30 – 2.60	0.43 – 3.00	1	109
HPC UHP DFP	Sealed High Current	DFP	201610TV	0.24 – 2.20	1.70 – 4.40	2.10 – 5.10	1	110
	Sealed Ultra High Current	AHP	201610NV	0.47 – 2.20	2.10 – 4.50	2.10 – 5.00	1	111
	Sealed High Current	DFP	201612NV	0.24 – 2.20	1.50 – 4.00	2.00 – 5.40	1	112
FPI	Sealed	HPC	252008MV	0.47 – 10.0	0.45 –1.45	0.55 – 2.50	1	113
	Sealed Low RDC	UHP	252010BV	0.47 – 22.0	0.50 – 2.80	0.50 – 2.85	1	114
	Sealed High Current	DFP	252010NV	0.24 – 2.20	1.80 – 3.60	2.40 – 4.80	1	115
AHP	Sealed Ultra High Current	AHP	252010NV	0.24 – 4.70	1.30 – 4.50	1.60 – 7.00	1	116
	Sealed Low RDC	UHP	252012BV	0.47 – 22.0	0.50 – 3.70	0.56 – 4.00	1	118
	Sealed High Current	DFP	252012TV	0.24 – 2.20	2.30 – 4.70	2.70 – 8.00	1	119
TMPC	Sealed Ultra High Current	AHP	252012HV	0.24 – 0.68	4.50 –7.00	6.00 –7.80	1	120
	Sealed	HPC	3010TV	1.00 – 22.0	0.75 – 2.50	0.55 – 2.20	1	122
TMPF	Sealed Ultra High Current	AHP	3010HV	0.47 – 10.0	1.10 –4.00	1.30 –6.80	1	123
	Sealed	HPC	3012TV	1.00 – 22.0	0.70 – 2.20	0.60 – 2.50	1	125
	Sealed Ultra High Current	AHP	3012HV	0.33 – 10.0	1.40 –5.50	1.50 –9.00	1	126
TMPA	Molded High Isat	TMPC	0312HV	0.47 – 10.0	1.00 – 5.00	1.40 – 7.20	1	128
	Sealed	HPC	3015TV	1.00 – 47.0	0.40 – 2.20	0.35 – 2.20	1	129
	Molded High Isat	TMPC	0315HV	0.22 – 10.0	1.20 – 7.00	1.60 – 10.8	1	130
TMHC	Molded High Isat	TMPC	0318HV	0.47 – 15.0	1.20 – 6.00	1.50 – 8.50	1	133
	Normal	FPI	0302BMV	1.00 – 470	IDC 0.09-1.50		1	136
	Molded High Isat	TMPC	0302HV	0.10 – 10.0	1.40 – 10.5	1.60 – 14.0	1	137
TMHC-LF	Sealed Ultra High Current	DFP	4008TV	0.47 – 10.0	1.00 – 3.00	1.50 – 5.00	1	138
	Sealed	HPC	4010TV	1.00 – 22.0	0.80 –2.30	0.60 – 2.40	1	140
TMHC-CP	Sealed Ultra High Current	AHP	4010HV	0.47 – 10.0	1.40 – 4.50	1.80 – 8.00	1	141
	Sealed	HPC	4012TV	1.00 – 22.0	0.72 – 2.50	0.60 – 3.30	1	143
	Sealed Ultra High Current	AHP	4012HV	0.47 – 10.0	1.60 – 6.00	2.00 – 10.0	1	144
TBMA	Molded High Isat	TMPC	0412HPV	0.10 – 10.0	1.30 –11.5	1.40 – 25.0	1	146
	Sealed	HPC	4015TV	1.00–15.0	1.10 – 3.70	1.10 – 4.00	1	147
	Molded High Isat	TMPC	0415HPV	0.047 – 10.0	1.50 –20.5	1.90 – 48.0	1	149
	Sealed	HPC	4018NV	1.00 – 47.0	0.60 – 3.70	0.60 – 4.00	1	151
	Sealed	HPC	4018BMV	0.56 – 220	0.17 –4.50	0.275 – 5.00	1	152

Note: Operating Temperature:

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Products Line Up

■ **Power Inductors**

Description	Type	P/N	Size (mm)	Inductance (uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Power Inductors	Molded High Isat	TMPC	0402HPV	0.33 – 22.0	1.20 –10.0	1.40 – 18.0	1	155
	Normal	FPI	0403BMV	1.00 – 560	IDC 0.10-4.00		1	156
HPC 	Molded High Isat	TMPC	0512HPV	0.10 – 15.0	1.30 –14.0	1.60 – 14.5	1	158
	Molded High Isat	TMPC	0515HPV	0.20 – 22.0	1.20 –15.0	1.70 – 22.5	1	161
	Molded High Isat	TMPC	0518HPV	0.33 – 15.0	1.70 –11.0	2.30 – 15.0	1	162
	Sealed	HPC	5020NV	1.00 – 47.0	0.70 – 4.10	0.70 – 5.00	1	163
FPI 	Molded High Temp. Low R	TMPF	0502AV	0.15 – 1.50	8.80 –18.8	13.3 – 30.0	0	165
	Molded High Isat	TMPC	0502HPV	0.10 – 22.0	1.50 –18.0	1.80 – 45.0	1	168
	Normal	FPI	0503BMV	1.50 – 33.0	1.40 – 4.10	1.40 – 4.10	1	171
TMPC 	Molded	TMHC	0503SV	0.10 – 10.0	2.80 –25.0	2.80 – 33.0	0	172
	Molded High Irms	TMPA	0503SV	0.47 – 10.0	3.80 –13.5	2.5 – 10.0	0	175
TMPF 	Molded High Temp. Low R	TMPF	0503AV	0.15 – 4.70	5.90 –22.2	8.20 – 36.0	0	178
	Molded High Isat	TMPC	0503HPV	0.10 – 15.0	1.90 –23.0	2.50 – 27.0	1	181
	Sealed	HPC	5040NV	1.00 – 100	0.72 – 5.00	0.75 – 7.50	1	184
TMPA 	Normal	FPI	0504BMV	1.00 – 680	IDC 0.15 – 3.50		1	186
	Molded High Isat	TMPC	0612HV	0.22 – 10.0	1.80 –11.0	2.50 – 19.0	1	188
	Molded High Isat	TMPC	0615HV	0.22 – 22.0	1.50 – 14.0	2.50 – 22.0	1	189
TMHC 	Molded High Isat	TMPC	0618HV	0.22 – 10.0	2.30 –16.0	3.50 – 26.0	1	190
	Sealed	HPC	6020NV	1.00 – 22.0	1.40 – 4.50	1.30 – 6.20	1	191
TMHC-CP 	Molded High Isat	TMPC	0602HV	0.10 – 22.0	1.50 – 21.0	2.50 – 40.0	1	193
	Molded	TMHC	0624SV	0.10 – 10.0	3.80 – 30.0	5.30 – 70.0	0	194
	Molded High Irms	TMPA	0624SV	0.10 – 10.0	3.70 – 30.0	4.60 – 70.0	0	197
TMHC-LF 	Molded High Isat	TMPC	0624HV	0.22 – 10.0	3.20 – 21.0	5.00 – 34.0	1	200
	Sealed	HPC	6028NV	1.00 – 470	0.72 – 5.20	0.80 – 5.75	1	201
	Molded	TMHC	0603SV	0.10 – 33.0	2.00 – 37.5	3.00 – 60.0	0	204
TBMA 	Molded with Shielding	TMHC	0603CPV	0.47 – 22.0	3.00 – 20.0	3.50 – 20.0	0	207
	Molded Low Rdc	TMHC	0603LFV	0.10 – 8.20	4.50 – 32.0	5.50 – 52.0	0	209
	Molded High Temp.	TMPA	0603SV	0.15 – 22.0	2.50 – 30.0	3.00 – 40.0	0	211
	Molded Ultra High Temp	TMPA	0603HTV	0.47 – 22.0	3.40 – 18.0	3.00 – 21.0	A	212
	Molded High Temp. Low R	TMPF	0603AV	0.18 – 4.50	7.00 – 32.0	10.0 – 40.0	0	215
	Molded High Isat	TMPC	0603HV	0.10 – 47.0	1.75 – 32.5	2.00 – 60.0	1	218
	Molded High Irms	TMPA	0604SV	0.33 – 1.00	15.0 – 25.0	15.0 – 28.0	0	224
	Molded High Isat	TMPC	0604HV	0.15 – 15.0	3.00 – 30.0	3.50 – 55.0	1	226

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Products Line Up

■ **Power Inductors**

Description	Type	P/N	Size (mm)	Inductance (uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Power Inductors	Sealed	HPC	6045NV	0.36 – 470	0.40 – 9.00	0.50-18.0	1	227
	Molded	TMHC	0605SV	0.10 – 10.0	5.50 – 32.0	7.00 – 65.0	0	229
HPC	Molded High Irms	TMPA	0605SV	0.47 – 47.0	2.60 – 22.0	1.80 – 22.0	0	232
	Molded High Isat	TMPC	0605HV	0.33 – 22.0	2.50 – 25.0	5.50 – 32.0	1	235
	Molded High Temp. Low R	TMPF	0702AV	0.27 – 1.00	8.00 – 16.0	23.0 – 35.0	0	236
FPI	Molded High Temp. Low R	TMPF	0703AV	0.60 – 8.20	5.90 – 23.0	10.2 – 36.0	0	238
	Normal	FPI	0705BMV	3.30 – 470	IDC 0.34-4.60		1	240
	Molded High Isat	TMPC	0803HPV	0.22 – 33.0	2.80 – 30.0	4.00 – 45.0	1	241
	Sealed	HPC	8040NV	1.00 – 470	0.63 – 8.50	0.60 – 13.8	1	244
TMPC	Molded	TMHC	1004SV	0.10 – 47.0	3.20 – 53.0	5.00 – 85.0	0	245
	Molded High Irms	TMPA	1004SV	0.15 – 100	2.00 – 44.0	2.70 – 82.0	0	248
TMPF	Molded Ultra High Temp	TMPA	1004HTV	1.00 – 68.0	3.50 – 27.0	3.50 – 29.0	A	253
	Molded Twin Inductors	TBMA	1004P4V	0.43 –15.0	4.60 –27.0	5.50 –38.0	0	256
	Molded High Isat	TMPC	1004HV	0.15 – 22.0	5.00 – 43.0	7.00 – 75.0	1	258
TMPA	Molded High Irms	TMPA	1005SV	0.36 – 100	2.20 – 34.0	2.80 – 52.0	0	259
	Molded High Isat	TMPC	1005HV	0.30 – 68.0	2.50 – 38.0	4.00 – 65.0	1	262
	Molded High Isat	TMPC	1235HPV	0.10 – 33.0	3.50 – 43.0	6.0 – 84.0	1	263
TMHC	Molded	TMHC	1205SPV	0.15 – 22.0	7.50 – 55.0	11.0 – 100	0	264
	Molded High Irms	TMPA	1205SPV	0.22 – 33.0	6.00 – 55.0	7.30 – 65.0	0	267
	Molded High Isat	TMPC	1205HPV	0.20 – 22.0	6.50 – 52.0	10.0 – 110	1	270
TMHC-CP	Molded High Irms	TMPA	1206SPV	0.33 – 150	2.60 – 63.0	4.10 – 70.0	0	271
	Molded High Isat	TMPC	1206HPV	1.00 – 47.0	5.50 – 29.0	11.0 – 53.0	1	274
	Molded	TMHC	1265SPV	0.22 – 22.0	10.0 – 55.0	12.0 – 105	0	275
TMHC-LF	Molded High Irms	TMPA	1265SPV	0.10 – 100	5.00 – 65.0	5.00 – 120	0	278
	Molded High Isat	TMPC	1265HPV	0.15 – 47.0	6.50 – 55.0	9.50 – 118	1	281
	Molded	TMHC	1707SPV	0.47 – 47.0	8.70 – 60.0	13.0 – 115	0	282
TBMA	Molded High Irms	TMPA	1707SPV	0.47 – 82.0	6.50 – 60.0	8.0 – 110	0	285
	Molded High Isat	TMPC	1707HPV	1.00 – 100	5.30 – 52.0	12.0 – 70.0	1	288
	. Molded High Irms	TMPA	2313SPV	1.50 – 100	11.0 – 62.0	9.00 – 52.0	0	289

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TAI-TECH Part No. for automotive

System	Sub-System	Tai-tech Products
EV/HEV	Plug-in Battery Charger	HPC6045
		ACM3225
	Inverter & Boost Converter	HPC6045
		ACM3225
		FCM1608
	DC/DC Converter	HPC6045
		ACM3225
	Battery Management System	HPC6045
		ACM3225
		FCM1608
ECU/ECM	Start-Stop system	HPC6045
		ACM3225
	EPS	HPC6045
		ACM3225
		TMPA1265
	ECM-ECU	HPC6045
		ACM3225
	PEPS system	FCM
		BPH
	PEPS-ECU	TMPF
	DC Motors	TMPA1004
	ECU (BCM)	HPC6045
		ACM3225
	ABS	HPC6045
		ACM3225
	Air-Bag ECU / Draft	HPC6045
		ACM3225

System	Sub-System	Tai-tech Products
Sensor System	TPMS (Wheel module)	PAS
		SWI HCI
ADAS	View Camera (PoC Camera Module)	APO3225
		HCB1608
	View Camera-ECU (PoC Camera control)	HPC6045
		ACM3225
		TMPA0603
		HCB1608
	Front Sensing Camera	TMPA0603
		ACM3225
		WCM2012
		ACM4532
		FCM1608
		UHP252010
	Millimeter-Wave Radar(Long Range)	HPC0504
		TMPA0603
		ACM3225
		UHP201610
	Millimeter-Wave Radar(Short Range)	HPC0504
		TMPA0603
		ACM3225
		UHP201610
Lightting	HID Lamp	TMPA/TMPV
		HPC
	LED Lamp	HPC
		TMPA/TMPV

System	Sub-System	Tai-tech Products
Car Multi-media System	Gateway-ECU	HPC6045
		ACM3225
	Cluster(Meter)	TMPA1004
		ACM3225
	IVI / Navigation system Block diagram	FCM
		ACM3225
		UHP201610
	Telematics (TUC)	ACM3225
		UHP252010
	Telematics (Cellular Modules Block diagram)	HPC
		FCM
		HCB
		HCI
		SWI
		UHP
	Telematics (DSRC(5.9GHz) Block Diagram)	HPC
		FCM
		HCB
		HCI
		SWI
		UHP
	Telematics (Bluetooth, Wireless LAN Block Diagram)	HPC
		FCM
		HCB
		HCI
		SWI
		UHP

AEC-Q200

ADAS System

- View Camera ECU
- View Camera
- Laser Sensor
- Front Sensing Camera
- Ultrasonic Sensor
- mmWave Radar

Body System

- ECM(BCM)
- DC Motor
- LED Lamp

Comfort

- Wireless Charger
- PEPS
- TPMS Module

Control & Safety

- Air Bag ECU
- Start-Syop
- ABS
- EPS

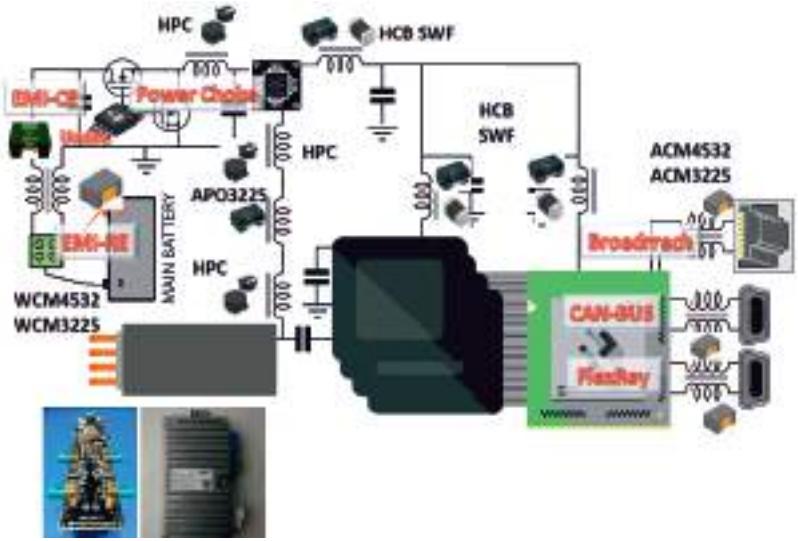
Infotainment

- Cluster
- Navigator
- Gateway ECU
- Telematics TUC

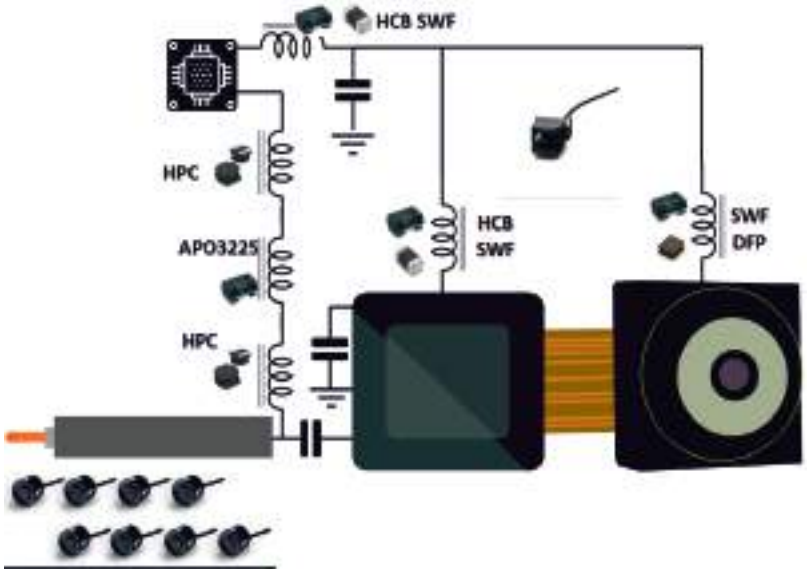
EV/HV System

- Inverter & Boost Converter
- Plug-in Battery Charger
- DC DC Converter
- BMS

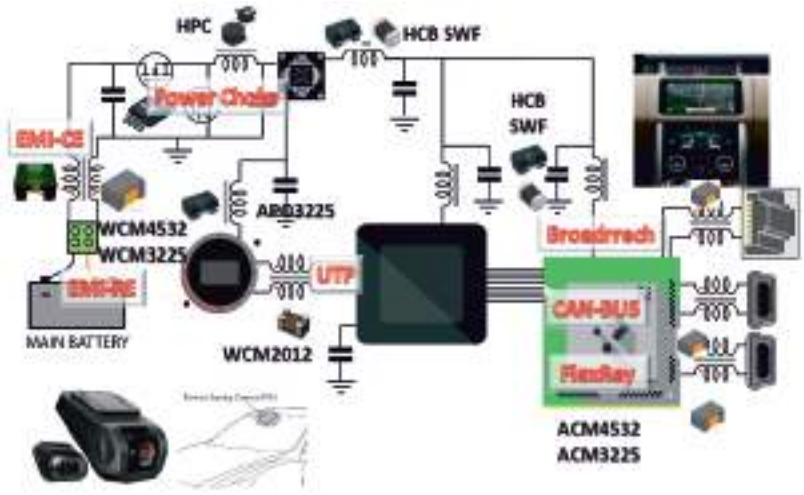
ADAS: View Camera ECU



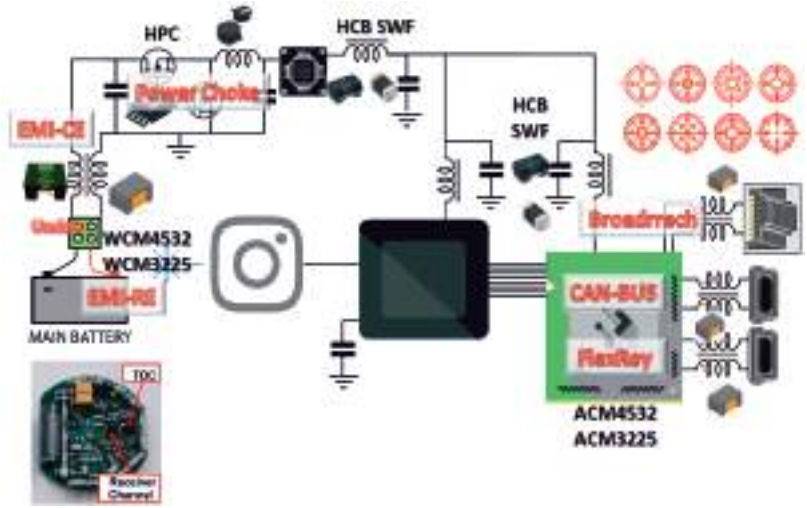
ADAS: View Camera



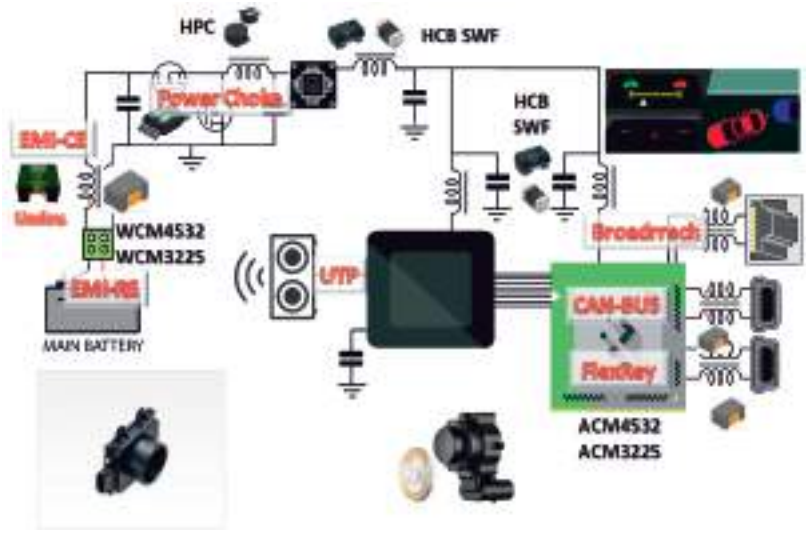
ADAS: Front Sensing Camera



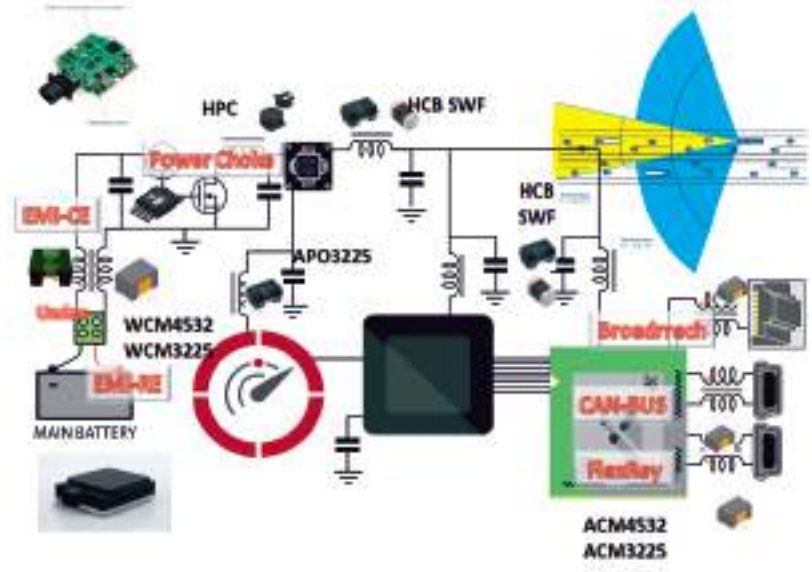
ADAS: Laser Sensor



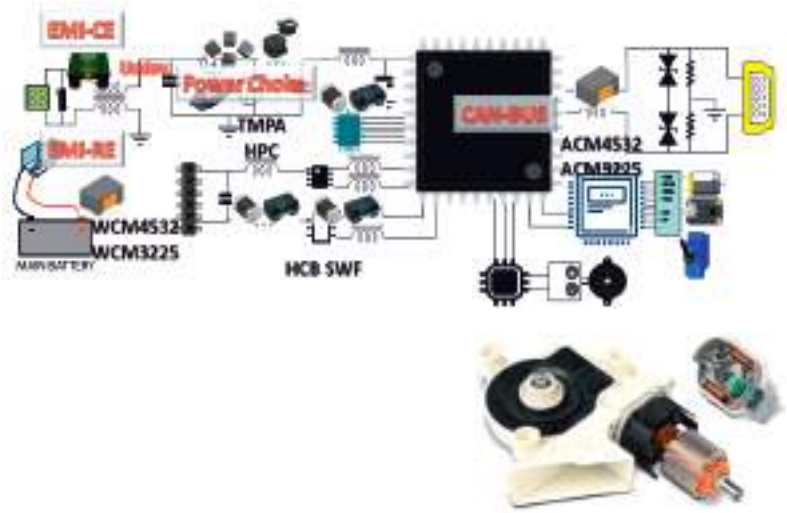
ADAS:Ultrasonic Sensor



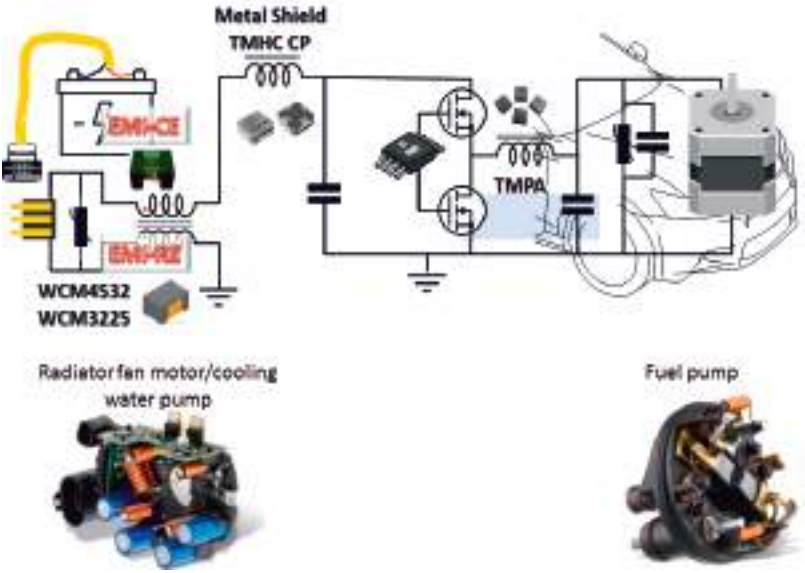
ADAS:mmWave Radar



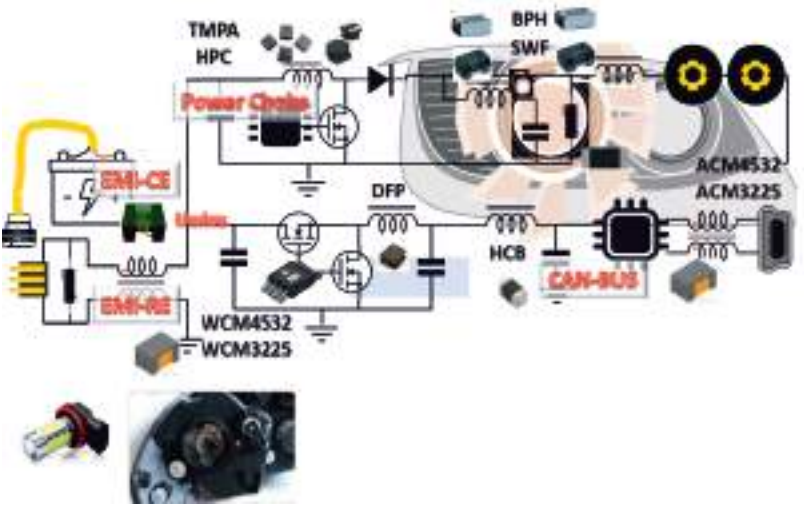
Body:ECM(BCM)



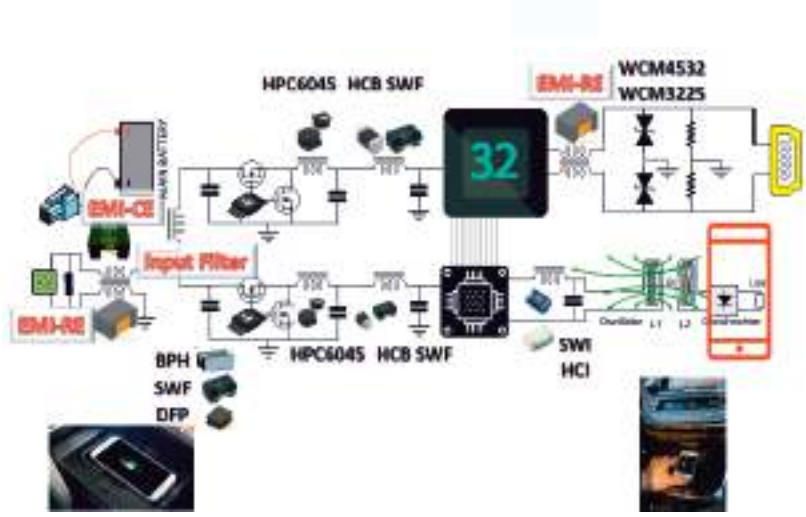
Body:DC Motor



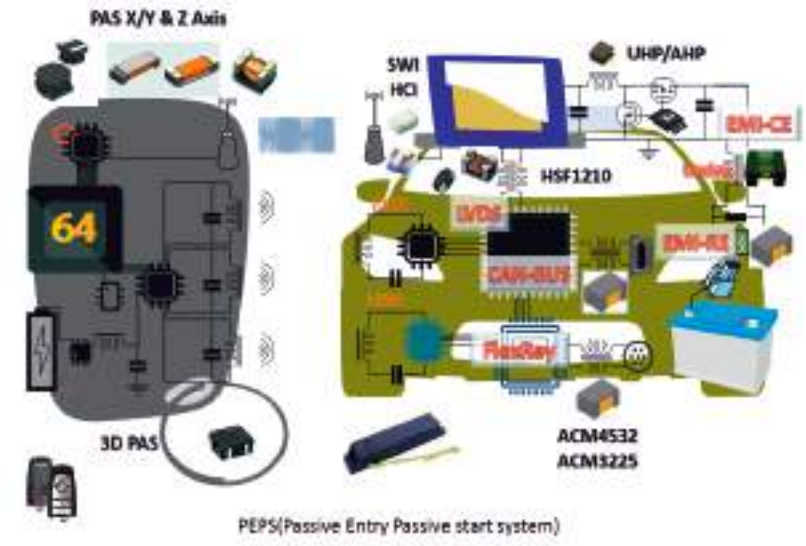
Body: LED Lamp



Comfort: Wireless Charger

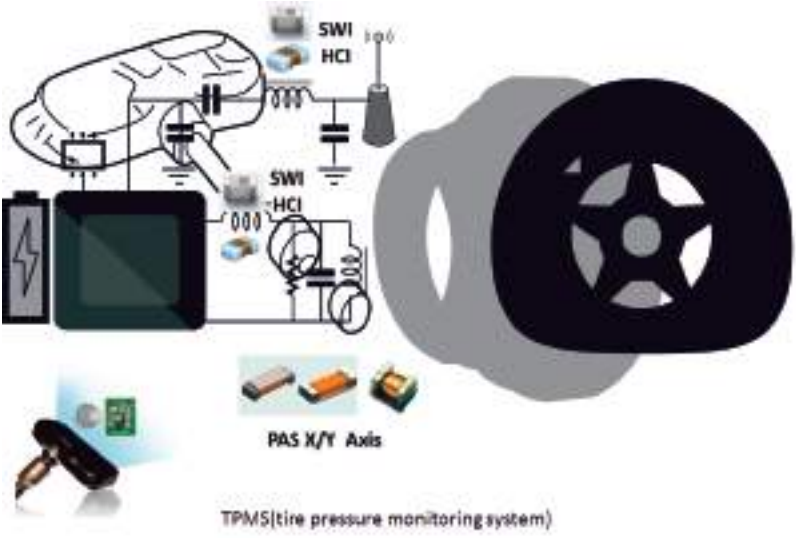


Comfort : PEPS



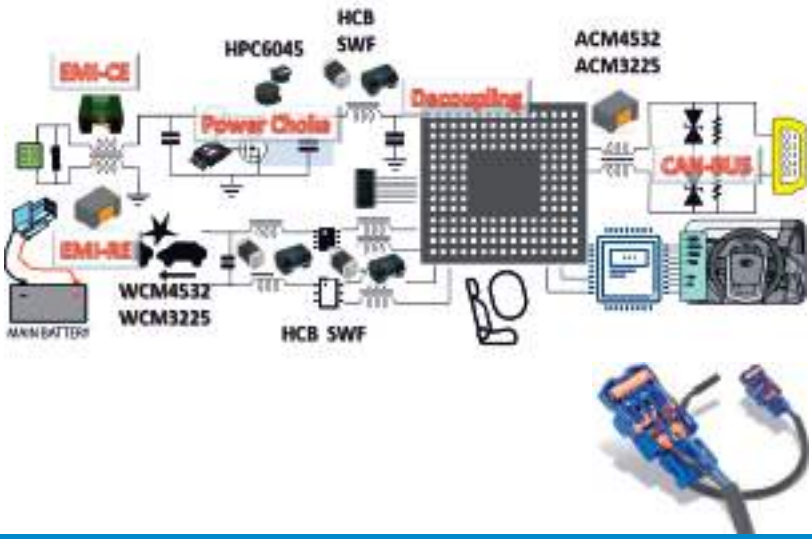
PEPS(Passive Entry Passive start system)

Comfort : TPMS Module

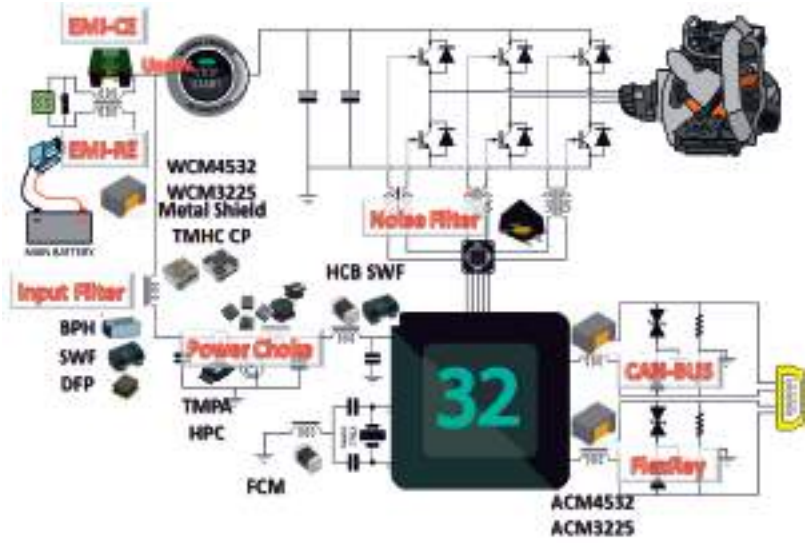


TPMS(tire pressure monitoring system)

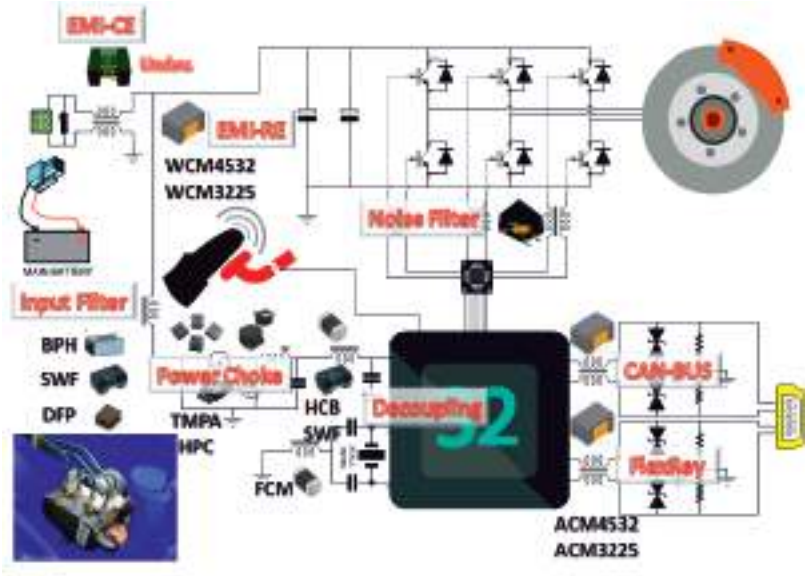
Safety & Control: Air Bag ECU



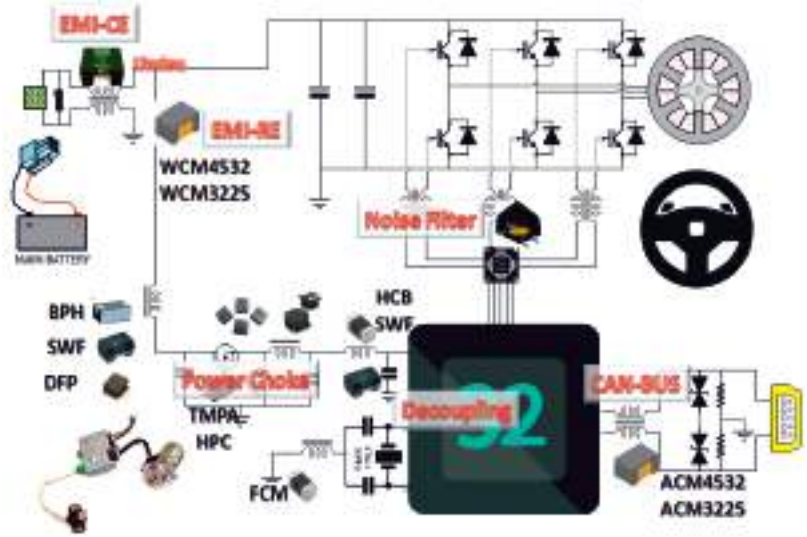
Safety & Control: Start /Stop



Safety & Control: ABS

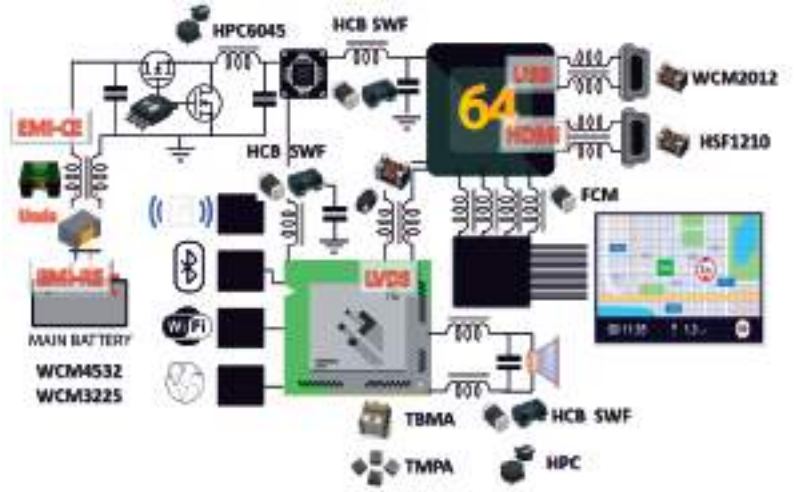


Safety & Control: EPS

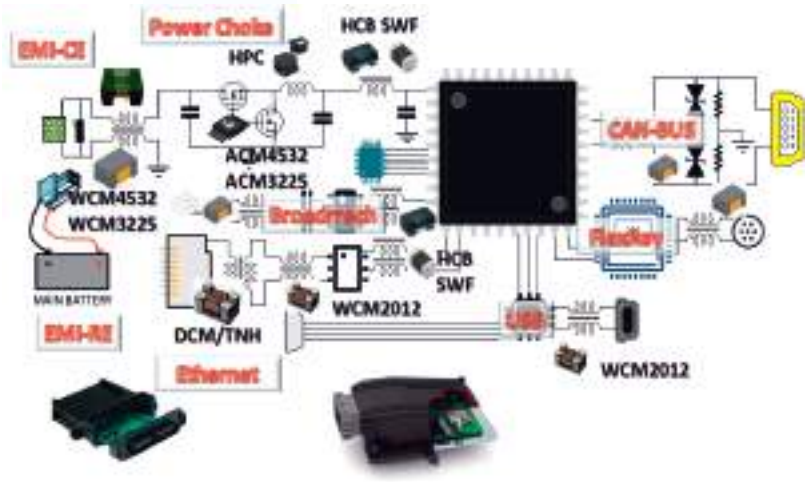


Info.: Cluster

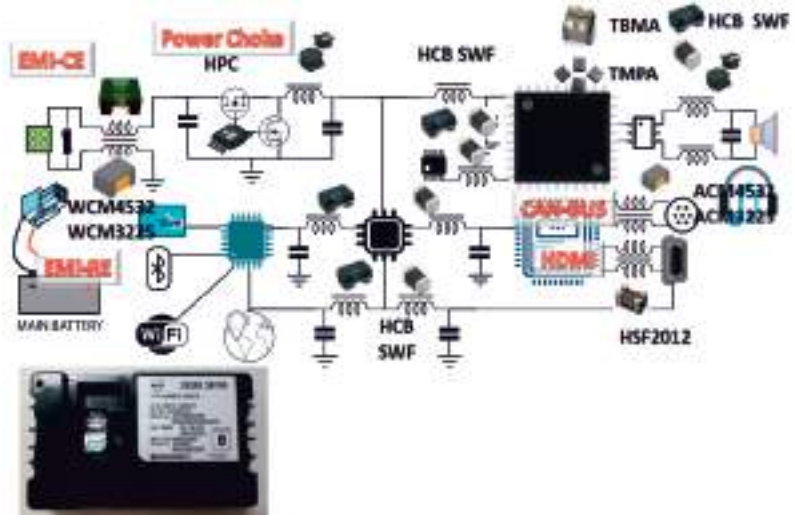
Info.: Navigator



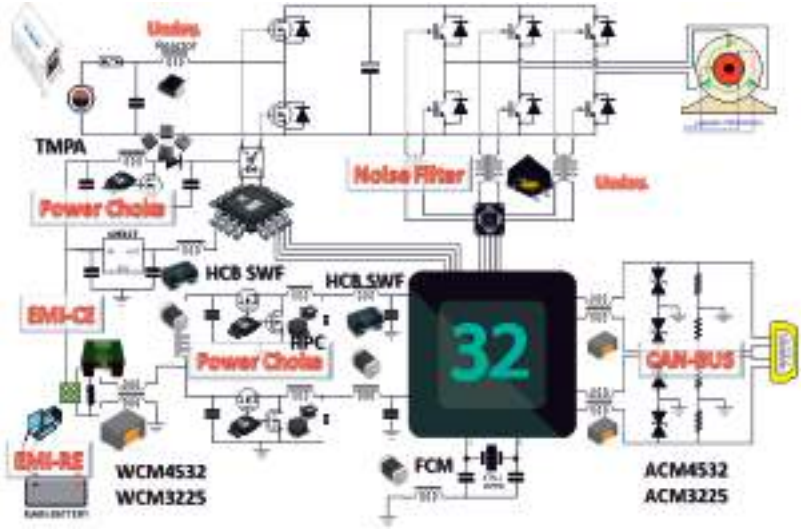
Info.: Gateway ECU



Info.: Telematics TUC

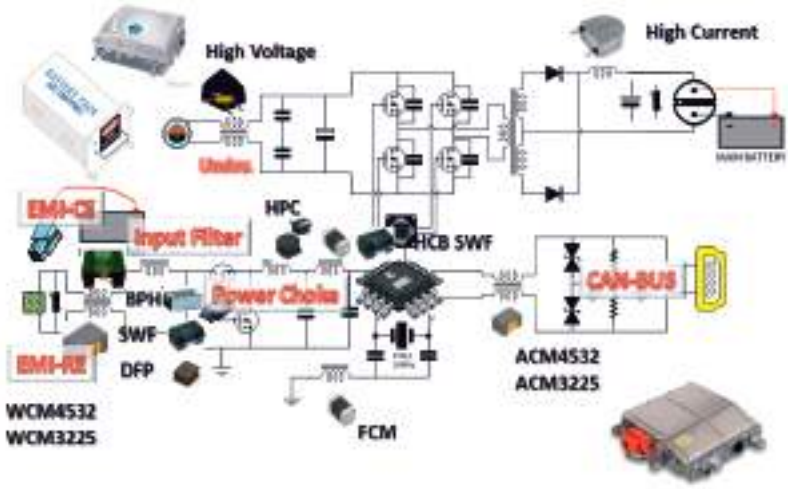


EV/HV: Inverter & Boost Converter

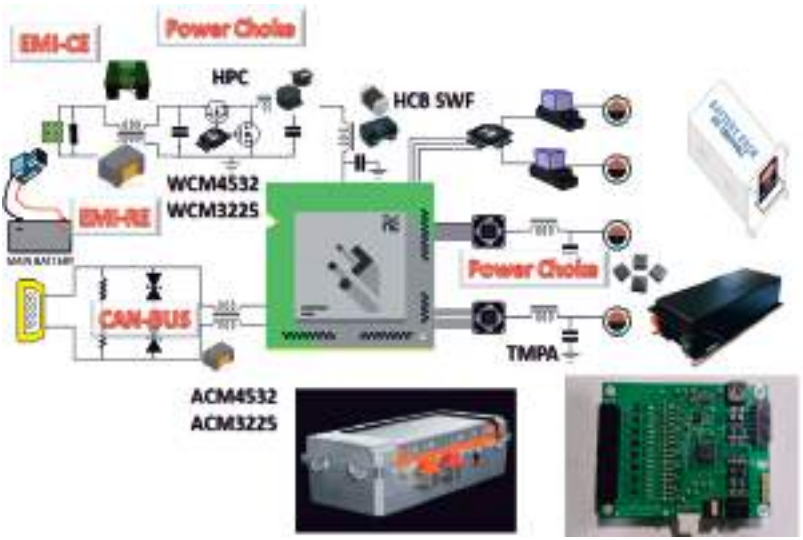


EV/HV: Plug-in Battery Charger

EV/HV: DC/DC Converter



EV/HV: BMS



Selection by Thickness

Chip Coils / Inductors

Thickness (mm)	Ferrite (Multilayer)	Ferrite (Wire wound)	High Frequency (Wire wound)	
0.33				
0.60	FCI 1005			
1.00	FCI 1608 / FCI 2012	SWF1608 L		
1.20		SWF 1608C	SWI 0603F/SWI0603P	
1.50	FCI 2012 / FCI 3216	SWF 2012C	SWI 0805U	
2.20		SWF 2520C	SWI 1008U	
2.50		SWF 3225C/WIH3225		

Power Inductors

Thickness (mm)	Irms 1.0A~2.5A max.	Irms 3.0~4.5A max.	Irms 5.0~6.0A max.	Irms 7.0~9.0A max.
0.80	DFP2012/HPC252008	DFP4008		
1.00	UHP2016/2520 DFP252010/3010 HPC3010/4010	DFP2012/2016/2520 AHP2016/2520/3010/4010		
1.20	HPC3012/4012	UHP2520/DFP2016 HPC5012/6012 FPC4012	DFP2520 AHP3012/4012 TMPC3012	AHP2520
1.50	HPC3015	HPC3015/4015		TMPC3015
1.80	FWP321516	HPC4018	TMPC3018	
2.00	FPI0302	HPC5020/6020		
2.30				
3.00		FPI0403/FPI0503	HPC6028	HPC8030
3.50				
4.00		FPI0504		HPC8040
4.50				HPC6045
Up to 5.00		FPI0705		

Power Inductors

Thickness (mm)	Irms 10.0A max.	Irms 20.0A max.	Irms 30.0A max	Irms 50.0A and above.
1.00				
1.20	TMPC0312	TMPC0412/0512/0612		
1.50		TMPC0515/0615		
1.80		TMPC0518/0618		
2.00	TMPC0302/0402 TMPF0402	TMPC0402/0502/0602 TMPF0502/0702	TMPC0602	
2.40			TMPC/TMPA/TMHC0624	
3.00		TMPA0503	TMPC/TMHC0503 TMPA0603 TMPC0803 TMPF0503/0703	TMPC/TMHC/TMPF0603
3.50				TMPC1235
4.00	HPC8040		TMPA/TMPC0604 TBMA1004	TMPC/TMHC1004 TMPA1004
5.00 and above			TMPA/TMPC0605 TMPC1206	TMPC1005/1205/1206/1265/1707 TMPA1005/1205/1206/1265/1707/2313 TMHC0605/1205/1265/1707

Cross Reference

Ferrite Chip Beads				
TAI-TECH	muRata	TDK	TAIYO YUDEN	Page
FCM1005	BLM15	MMZ1005	BK1005	30
HCB1005	BLM15KG/PX	MPZ1005	BKP1005	32
FCM1608	BLM18	MMZ1608	BK1608	34
HCB1608	BLM18KG	MPZ1608	BKP1608	37
FCM2012	BLM21	MMZ2012	BK2125	40
HCB2012	BLM21PG	MPZ2012	BKP2125	43
FCM3216	BLM31			46
HCB3216	BLM31PG		FBMH3216	48
FCA3216	BLA31		BK3216-4	50
BPH323023				52
HCB4516	BLM41PG		FBMH4516	53
HCB4532			FBMH4532	54
BPH403025				52
BPH853225				52

Common Mode Chokes				
TAI-TECH	muRata	TDK	TAIYO YUDEN	Page
HSF1210			CM01	56
WCM2012	DLW21H/S	ACM2012		57
HDMI2012	DLW21	ACM2012H		60
HSF2012	DLW21			61
TCM2520		ACM2520-3P		62
WCM3216	DLW31			63
TCM3225				67
ACM3225		ACT1210/1210L		68
ACM4532		ACT45B/L		72
WCM4532-HI		ACM4520		70
BCM2012	DXW21	ATB2012		75

Chip Coils / Inductors					
TAI-TECH	muRata	TDK	TAIYO YUDEN	CoilCraft	Page
FCI1005/1608/2012	LQM18N/21N	MLF1005/1608/2012	LK1005/1608/2125		77
SWF1608				0603LS	79
SWF2012				0805LS	83
SWF2520				1008LS	84
SWF3225					86
APO3225	LQW32FT	ADL3225V			87
SWI0603	LQW18			0603CS	89
SWI0805	LQW2B			0805CS	91
SWI1008	LQW2U			1008CS	93
PAS4420					100
PAS6420	LQW72HN				101
PAS8027					102
PAS1225	LQW1202				103

Cross Reference

Power Inductors

TAI-TECH	TAIYO YUDEN	TDK	Panasonic	Cyntec	Page
DFP201208B					105
DFP201210B					107
UHP201610N		VLS201610		PSD20161T	109
DFP201610T	MAKK2016			PIFE20161T	110
DFP201612N				PIFE20161B	112
HPC252008M		VLS252008E			113
UHP252010B		VLS252010		PST25201T	114
DFP252010N	MAKK2520			PIFE25201T	115
UHP252012B		VLS252012	ELLYFJ	PST25201B	118
DFP252012T	MAMK2520			PIFE25201B	119
HPC3010T	NRH3010	VLS3010E	ELLVEG	PST031T	122
HPC3012T	NRH3012	VLS3012E	ELLVFG	PST031B	125
HPC3015T	NRH3015	VLS3015E	ELLVGG		129
HPC4010T	NRS4010				140
HPC4012T	NRS4012	VLS4012	ELL4FG	PST041B	143
HPC4015T					147
HPC4018N	NRS4018	VLCF4018	ELL4LG	PST041H	151
HPC4018BM					152
HPC5020N	NRS5020	VLCF5020	ELL5PR		163
HPC5040N	NRS5040			PSI054T	184
HPC6020N	NRS6020	SLF6020			191
HPC6028N					201
HPC6045N	NRS6045	VLP6045		PS064T	227
HPC8040N	NRS8040	VLP8040			244

Power Inductors

TAI-TECH	muRata	Taiyo	TDK	SUNLORD	Cyntec	Page
AHP201610N	DFE201610R	MAKK2016T	TFM201610ALMA	SPH201610H	SDEM20161T	111
AHP252010N	DFE252010P	MAKK2520T	VLS252010HBX-1	SPH252010H	SDEM25201T	116
AHP252012H	DFE252012P	MAMK2520H	TFM252012ALMA	SPH252012H	SDEM25201B	120
AHP3010H	LQH3NPN_GR	MDKK3030T				123
AHP3012H	LQH3NPN_JR	MDMK3030T	VLS3012HBX	WPN3012H		126
AHP4010H		MDJE4040		SWPA4010S		141
AHP4012H	LQP44PN_J0	MDMK4040F		SPH4012H		144

Cross Reference

Power Inductors					
TAI-TECH	VISHAY	TDK	TOKO	Cyntec	Page
TMPC0312H	IHLP-1212AB	SPM3012	FDSD0312	PIME031B	128
TMPC0315H					130
TMPC0318H					133
TMPC0302H	IHLP-1212BZ				137
TMPC0412HP	IHLP-1616AB	SPM4012	FDSD0412	PIMB041B	146
TMPC0415HP					149
TMPC0402HP	IHLP-1616BZ		FDSD0420	PIMB042T	155
TMPC0512HP	IHLP-2020AB	SPM5012	FDSD0512	PIMB051B	158
TMPC0515HP			FDSD0515	PIME051E	161
TMPC0518HP			FDSD0518	PIMB051H	162
TMPF0502A					165
TMPC0502HP	IHLP-2020BZ				168
TMHC0503S					172
TMPA0503S					175
TMPF0503A					178
TMPC0503HP	IHLP-2020CZ				181
TMPC0612H				PIME061B	188
TMPC0615H				PIME061E	189
TMPC0618H	IHLP-2525AH		FDV0618	PIMB061H	190
TMPC0602H			FDV0620		193
TMHC0624S					194
TMPA0624S					197
TMPC0624H	IHLP-2525BD			PIMB062D	200

Cross Reference

Power Inductors					
TAI-TECH	VISHAY	Coil Craft	TOKO	Cyntec	Page
TMHC0603S					204
THMC0603CP	IHLE-2525CD-5A				207
TMHC0603LF					209
TMPA0603S					211
TMPA0603HT	IHLP-2525CE-8A				212
TMPF0603A					215
TMPC0603H	IHLP-2525CZ	SPM6530	FDV0630	PIMB063T	218
TMPA0604S					224
TMPC0604H			FDV0640		226
TMHC0605S					229
TMPA0605S					232
TMPC0605H	IHLP-2525EZ		FDV0650	PIMB065T	235
TMPF0702A					236
TMPF0703A					238
TMPC0803HP	IHLP-3232CZ				241
TMHC1004S					245
TMPA1004S	IHLE-4040DD-5A				248
TMPA1004HT	IHLP4040DZ			PCMB104T	253
TBMA1004P4	IHLP-4040DE-8A				256
TMPC1004H	IHLD-4032KB-5A				258
TMPA1005S	IHLP-4040DZ		FDV1040	PIMB104T	259
TMPC1005H					262
TMPC1235HP				PIMB104E	263
TMHC1205SP	IHLP-5050CE			PIMB133E	264
TMPA1205SP					267
TMPC1205HP					270
TMPA1206SP	IHLP-5050EZ		FDU1250	PIMB135T	271
TMPC1206HP					274
TMHC1265SP			FDU1260	PIMB136T	275
TMPA1265SP					278
TMPC1265HP	IHLP-5050FD-8A				281
TMHC1707SP					282
TMPA1707SP	IHLP-5050FD				285
TMPC1707HP					288
TMPA2313SP					289

Part Numbering

■ Ferrite Chip Beads / Array

FCM 1608 KV - 121 T 06

1 2 3 4 5 6

1 Series Name

Code	
FCM	Ferrite Chip Bead
HCB/BPH	High Current Ferrite Chip Bead
FCA	Ferrite Chip Bead Array

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
1005	1.0mmX0.5mm	0402
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.25mm	0805
3216	3.2mmx1.6mm	1206
4516	4.5mmx1.6mm	1806
4532	4.5mmx3.2mm	1812

3 Material Characteristics/Application ,V: for Vehicle.

Code	MaterialCharacteristics/Application	Series Name
H	for General Use and Power Supplies	FCM-H
K		FCM-K,FCA-K HCB-K
M	High Speed Signal Lines	FCM-M,FCA-M
C, B		FCM-C, B

4 Impedance

Code	Impedance(Ohm)
070	7Ω
700	70Ω
601	600Ω
202	2000Ω

5 Packaging

Code	Packaging
T	Plastic Taping(Φ180mm)
B	Bulk

6 Rated Current

Code	Rated Current(mA)
02	200
05	500
20	2000
60	6000

■ Common Mode Choke Coils / Balun

WCM 2012 F 2 S V - 900 T 04

1 2 3 4 5 6 7 8 9

1 Series Name

Code	Common Mode Choke Coil
WCM	Winding Common Mode Filter for USB
HDMI	Winding Common Mode Filter for HDMI
HSF	Winding Common Mode Filter for USB
LCM	Winding Common Mode Filter
TCM	Tri-wired Common Mode Filter
ACM	Winding Common Mode Filter for Car
BCM	Balun Filter

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
1210	1.2mmx1.0mm	0504
2012	2.0mmx1.2mm	0805
3216	3.2mmx1.6mm	1206
3225	3.2mmx2.5mm	1210
4532	4.5mmx3.2mm	1812

3 Material Characteristics

Code	Material
F	Ferrite Material

4 Numbers of Signal Line

Code	Numbers of Signal Line
2	Two Lines
3	Three Lines
4	Four Lines

5 Type

Code	Type
S	Shielded Type
N	Non-Shielded Type

6 V: for Vehicle

7 Impedance

Code	Impedance(Ohm)
900	90Ω
121	120Ω
102	1000Ω

8 Packaging T: Taping and Reel

9 Rated Current

Code	Rated Current(mA)
02	200
10	1000

Part Numbering

■ Chip Coils / Inductors

FCI 2012 V - 100 M

1 2 3 4 5

1 Series Name

Code	
FCI	Ferrite Chip Inductor
SWF	Wirewound Ferrite Chip Inductor
WIH	Wirewound Ferrite Chip Inductor
SWI	Wire Wound Ceramic Chip
PAS	Hearing Aid (HAC) Inductor

2 Dimension

Code	Dimension(AxB)	EIA
1005	1.0mmx0.5mm	0402
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.2mm	0805
2520	2.5mmx2.0mm	1008
3216	3.2mmx1.6mm	1206
3225	3.2mmx2.5mm	1210
3010	3.0mmx3.0mmx1.0mm	1212
3012	3.0mmx3.0mmx1.2mm	1212
4420	4.4mmx2.0mm	1808
6420	6.4mmx2.0mm	2508

3 V: for Vehicle

4 Inductance

Code	Inductance
1N0	1.0nH
10N	10nH
R10	100nH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
B	±0.1nH
C	±0.2nH
S	±0.3nH
G	±2%
H	±3%
J	±5%
K	±10%
L	±15%
M	±20%
Y	±30%

■ Power Inductors / Chokes

HPC 201610 NV - 1R0 M - 1A5

1 2 3 4 5 6

1 Series Name

Code	
HPC	Sealed Type Power Inductor
UHP	
DFP	
AHP	

2 Dimension

Code	Dimension(AxB)	EIA
201610	2.0mmx1.6mm	0806
252010/12	2.5mmx2.0mm	1008
3010/12/15	3.0mmx3.0mm	1212
3216	3.2mmx1.6mm	1206
4010/12/18	4.0mmx4.0mm	1616
5020/40	5.0mmx5.0mm	2020
6020/45	6.0mmx6.0mm	2424
8040	8.0mmx8.0mm	3232

3 Material

Code	Material
B	Ferrite/Metal Material for Wire wound Inductor
H	
M	
N	
T	
F	
V	For Vehicle

4 Inductance

Code	Inductance
R47	0.47uH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
K	±10%
M	±20%
Y	±30%

6 Rated Current

Code	Rated Current
0A6	0.60A
1A5	1.50A

Part Numbering

■ Power Inductors (Molding Type)

TMPC 0603 HV - 4R7 M - D

1 2 3 4 5 6

1 Series Name

Code	
TMPC	Molding Type Hi-Current Power Inductor
TMPA	
TMPF	
TMHC	

2 Dimension

Code	Dimension(AxB)	EIA
0312	3.0mmx3.0mm	1212
0412/02	4.0mmx4.0mm	1616
0512/15/18/02/03	5.0mmx5.0mm	2020
0612/18/24/03/05	6.0mmx6.0mm	2424
1004/05	10mmx10mm	4040
1235/05/06/65/07	12mmx12mm	4848
1707	17mmx17mm	6868

3 Material

Code	Material
FV	Hi-Current Metal Material
HV	
HPV	

4 Inductance

Code	Inductance
R47	0.47uH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
M	±20%
Y	±30%

6 Control No.

■ LAN Transformer

TXF 463229 NV - 181 - W

1 2 3 4 5

1 Series Name

Code	
TXF	LAN Transformer

2 Dimension

Code	Dimension(AxBxC)	EIA
453222	4.5mmx3.2mmx2.2mm	1812
463229	4.6mmx3.2mmx2.9mm	1812
535340	5.3mmx5.3mmx4.0mm	2121

3 Material

Code	Material
NV	Ferrite Material

4 Inductance

Code	Inductance uH
181	180

5 Control No.

Code	Description
W	Special Code

EMI Suppression Filters

- **Ferrite Chip Beads**
  - FCM Series
- **High Current Ferrite Chip Beads**
  - HCB Series
- **Ultra High Current Ferrite Chip Beads**
  - BPH Series
- **Ferrite Chip Bead Arrays**
  - FCA Series
- **Wire wound Common Mode Chokes**
  - WCM Series
  - HDMI Series
  - HSF Series
  - ACM Series
  - DCM Series
- **Tri-wires Common Mode Chokes**
  - TCM Series
- **Balun Filters**
  - BCM Series

FCM 1005 Series (0402 inch -55~+150)

■ Dimensions

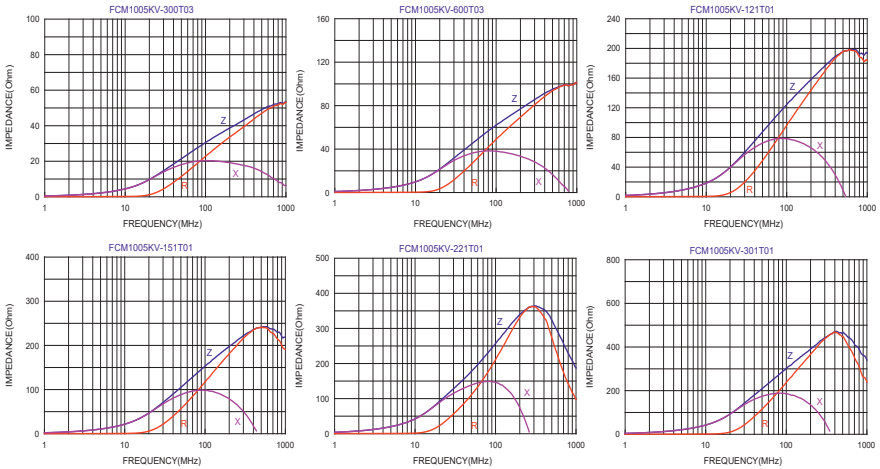
Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

■ Specifications

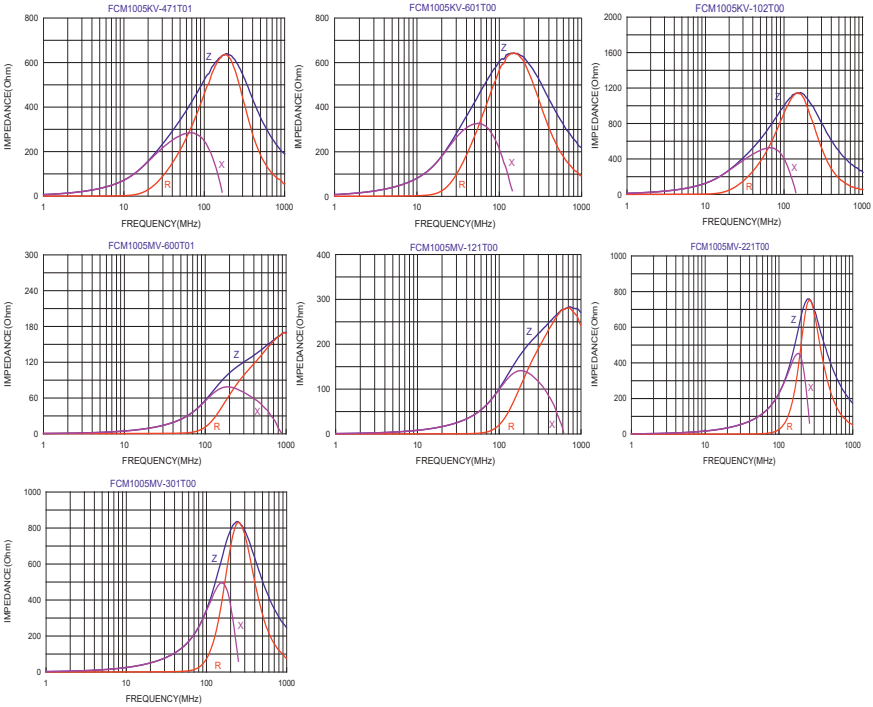
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1005KV-300T03	30±25%	100	0.20	300
FCM1005KV-600T03	60±25%	100	0.25	300
FCM1005KV-121T01	120±25%	100	0.30	100
FCM1005KV-151T01	150±25%	100	0.30	100
FCM1005KV-221T01	220±25%	100	0.40	100
FCM1005KV-301T01	300±25%	100	0.50	100
FCM1005KV-471T01	470±25%	100	0.65	100
FCM1005KV-601T00	600±25%	100	0.80	80
FCM1005KV-102T00	1000±25%	100	1.20	50
FCM1005MV-600T01	60±25%	100	0.30	100
FCM1005MV-121T00	120±25%	100	0.45	80
FCM1005MV-221T00	220±25%	100	0.60	50
FCM1005MV-301T00	300±25%	100	0.75	50

■ Impedance-Frequency Characteristics (Typical)



FCM 1005 Series (0402 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)



HCB 1005 Series (0402 inch -55~+150)

■ Dimensions

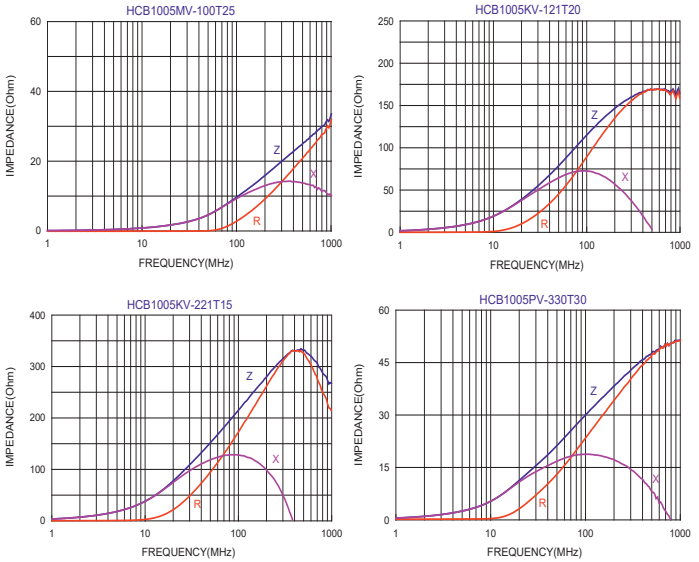
Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

■ Specifications

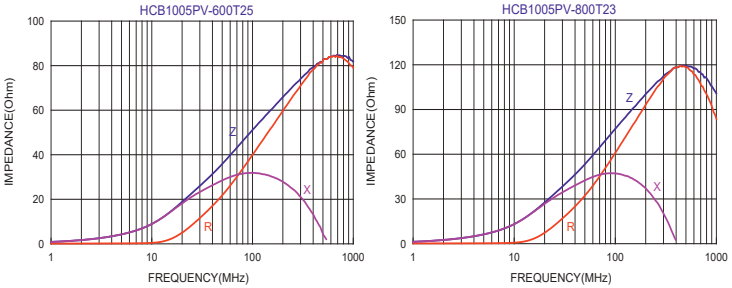
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB1005MV-100T25	10±25%	100	0.050	2500
HCB1005KV-121T20	120±25%	100	0.095	2000
HCB1005KV-221T15	220±25%	100	0.150	1500
HCB1005PV-330T30	33±25%	100	0.022	3000
HCB1005PV-600T25	60±25%	100	0.032	2500
HCB1005PV-800T23	80±25%	100	0.038	2300

■ Impedance-Frequency Characteristics (Typical)



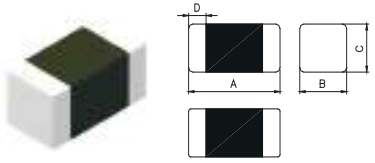
HCB 1005 Series (0402 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)



FCM 1608 Series (0603 inch -55~+150)

■ Dimensions



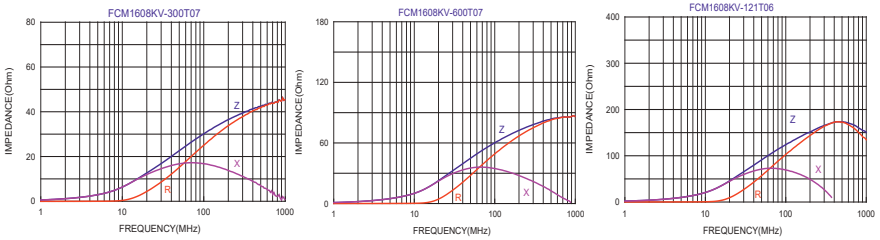
Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.80±0.15
D	0.30±0.20

Units: mm

■ Specifications

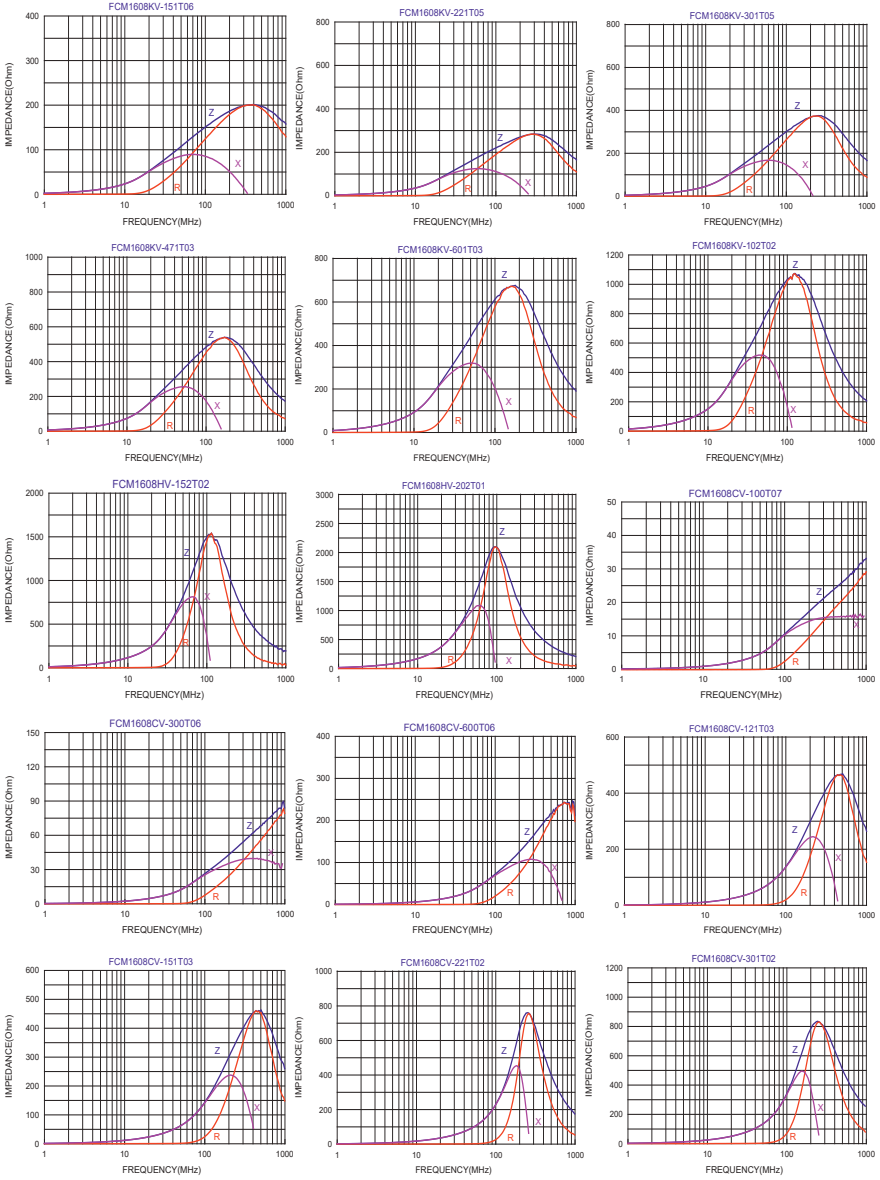
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1608KV-300T07	30±25%	100	0.20	700
FCM1608KV-600T07	60±25%	100	0.20	700
FCM1608KV-121T06	120±25%	100	0.25	600
FCM1608KV-151T06	150±25%	100	0.25	600
FCM1608KV-221T05	220±25%	100	0.30	550
FCM1608KV-301T05	300±25%	100	0.35	500
FCM1608KV-471T03	470±25%	100	0.45	350
FCM1608KV-601T03	600±25%	100	0.50	350
FCM1608KV-102T02	1000±25%	100	0.70	200
FCM1608HV-152T02	1500±25%	100	1.00	200
FCM1608HV-202T01	2000±25%	100	1.20	150
FCM1608CV-100T07	10±25%	100	0.20	700
FCM1608CV-300T06	30±25%	100	0.25	600
FCM1608CV-600T06	60±25%	100	0.30	600
FCM1608CV-121T03	120±25%	100	0.40	300
FCM1608CV-151T03	150±25%	100	0.40	300
FCM1608CV-221T02	220±25%	100	0.60	250
FCM1608CV-301T02	300±25%	100	0.80	200
FCM1608CV-471T02	470±25%	100	0.85	200
FCM1608CV-601T01	600±25%	100	1.20	150
FCM1608CV-102T00	1000±25%	100	1.50	80

■ Impedance-Frequency Characteristics (Typical)



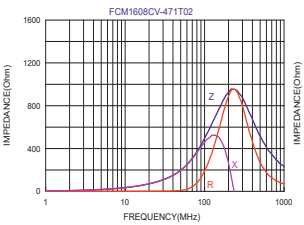
FCM 1608 Series (0603 inch -55~+150)

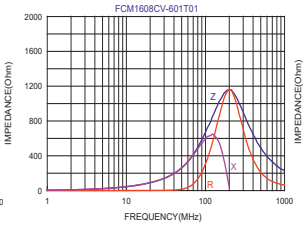
■ Impedance-Frequency Characteristics (Typical)

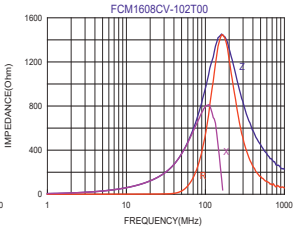


FCM 1608 Series (0603 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)







HCB 1608 Series (0603 inch -55~+150)

■ Dimensions

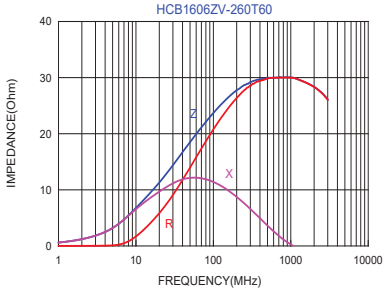
Dimensions		
A	1.60±0.15	
B	0.80±0.15	
C	0.80±0.15	0.60±0.15
D	0.30±0.20	

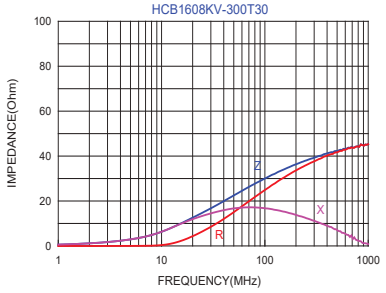
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Height (mm) max.
HCB1606ZV-260T60	26±25%	100	0.01	6000	0.75
HCB1608KV-300T30	30±25%	100	0.04	3000	0.95
HCB1608KV-300T50	30±25%	100	0.02	5000	0.95
HCB1608KV-600T40	60±25%	100	0.03	4000	0.95
HCB1608KV-800T30	80±25%	100	0.04	3000	0.95
HCB1608KV-121T20	120±25%	100	0.10	2000	0.95
HCB1608KV-121T30	120±25%	100	0.04	3000	0.95
HCB1608KV-151T20	150±25%	100	0.10	2000	0.95
HCB1608KV-221T20	220±25%	100	0.10	2000	0.95
HCB1608KV-301T10	300±25%	100	0.20	1000	0.95
HCB1608KV-301T20	300±25%	100	0.10	2000	0.95
HCB1608KV-471T10	470±25%	100	0.20	1000	0.95
HCB1608KV-601T10	600±25%	100	0.20	1000	0.95
HCB1608KV-601T20	600±25%	100	0.10	2000	0.95
HCB1608KV-102T10	1000±25%	100	0.20	1000	0.95

■ Impedance-Frequency Characteristics (Typical)

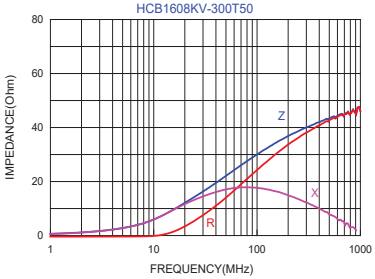




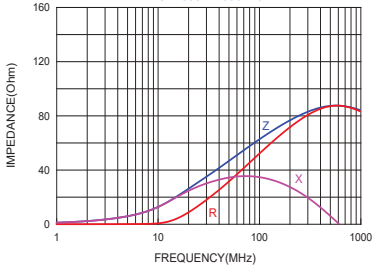
HCB 1608 Series (0603 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)

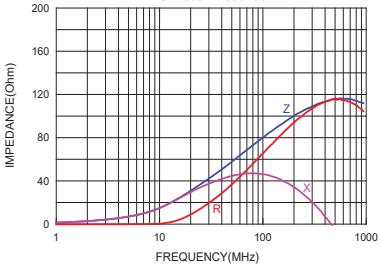
HCB1608KV-300T50



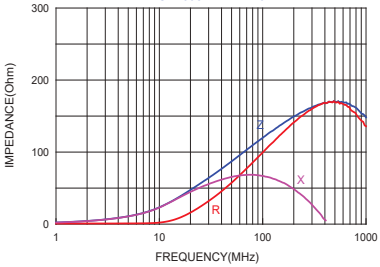
HCB1608KV-600T40



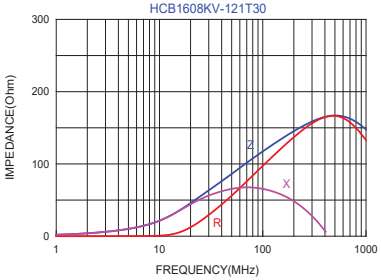
HCB1608KV-800T30



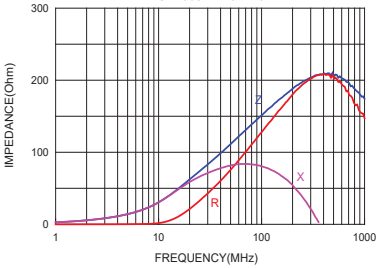
HCB1608KV-121T20



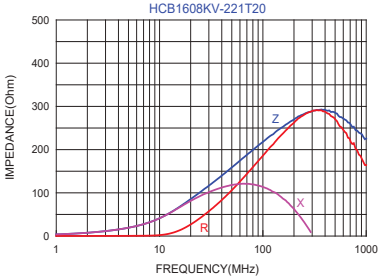
HCB1608KV-121T30



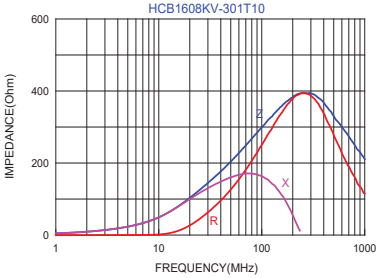
HCB1608KV-151T20



HCB1608KV-221T20



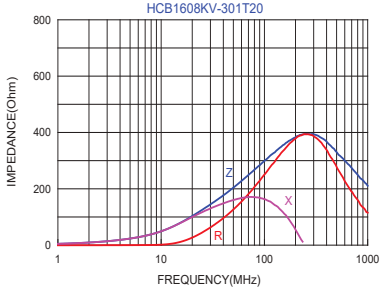
HCB1608KV-301T10



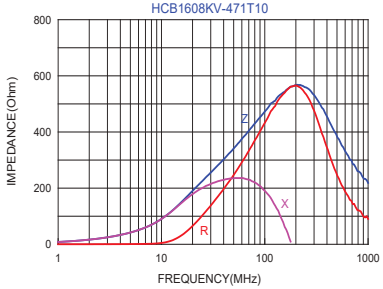
HCB 1608 Series (0603 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)

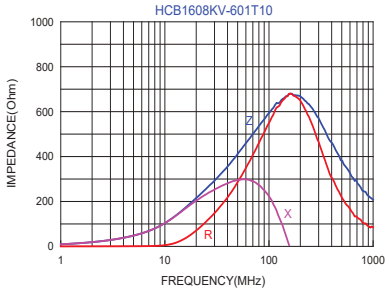
HCB1608KV-301T20



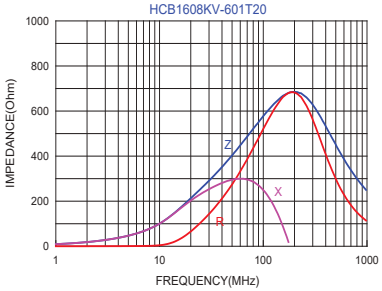
HCB1608KV-471T10



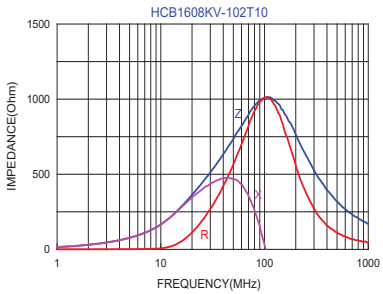
HCB1608KV-601T10



HCB1608KV-601T20

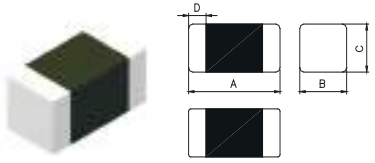


HCB1608KV-102T10



FCM 2012 Series (0805 inch -55~+150)

■ Dimensions



Dimensions		
A	2.00±0.20	
B	1.25±0.20	
C	0.85±0.20	1.25±0.20
D	0.50±0.30	

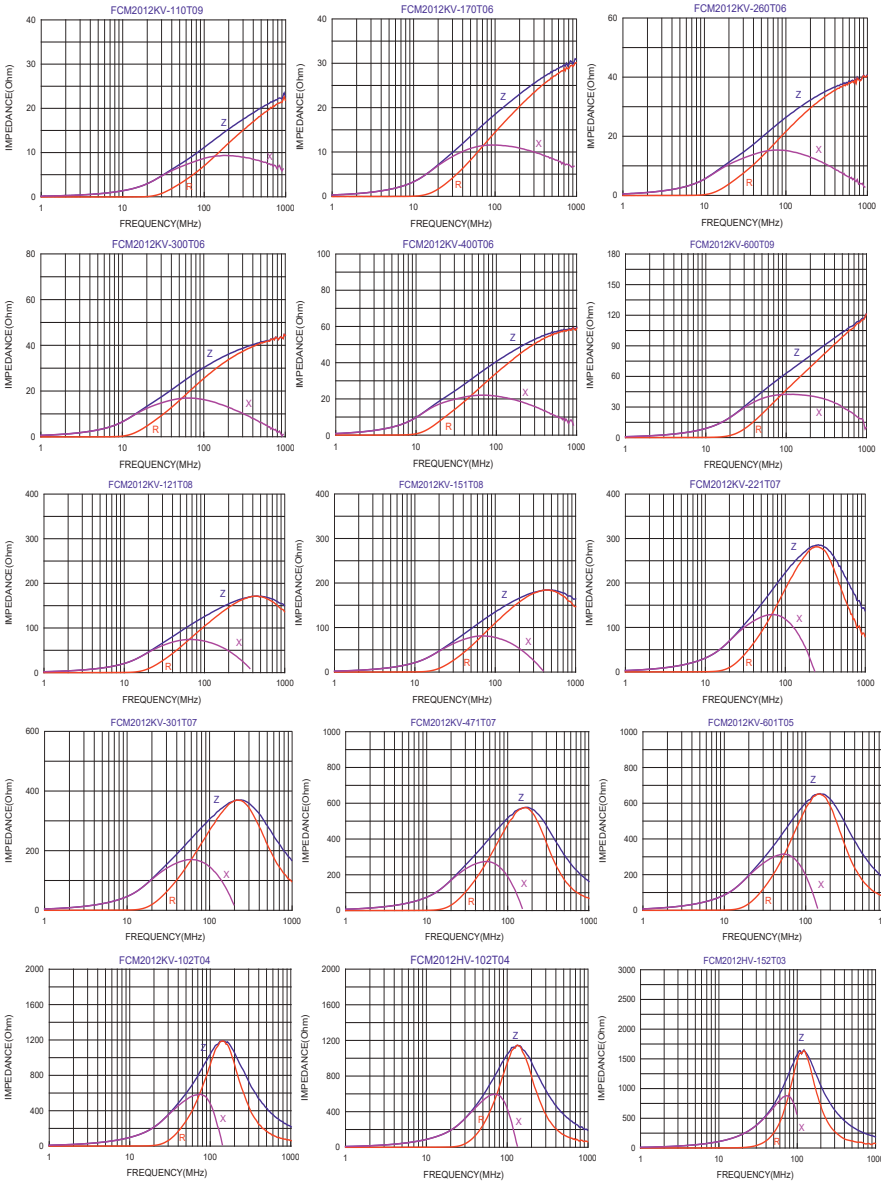
Units: mm

■ Specifications

Part Number	Thickness C size (mm)	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012KV-110T09	0.85±0.2	11±25%	100	0.10	900
FCM2012KV-170T06	0.85±0.2	17±25%	100	0.10	600
FCM2012KV-260T06	0.85±0.2	26±25%	100	0.10	600
FCM2012KV-300T06	0.85±0.2	30±25%	100	0.10	600
FCM2012KV-400T06	0.85±0.2	40±25%	100	0.10	600
FCM2012KV-600T09	0.85±0.2	60±25%	100	0.10	900
FCM2012KV-121T08	0.85±0.2	120±25%	100	0.20	800
FCM2012KV-151T08	0.85±0.2	150±25%	100	0.20	800
FCM2012KV-221T07	0.85±0.2	220±25%	100	0.30	750
FCM2012KV-301T07	0.85±0.2	300±25%	100	0.30	700
FCM2012KV-471T07	0.85±0.2	470±25%	100	0.35	700
FCM2012KV-601T05	0.85±0.2	600±25%	100	0.40	500
FCM2012KV-102T04	0.85±0.2	1000±25%	100	0.45	400
FCM2012HV-102T04	0.85±0.2	1000±25%	100	0.45	400
FCM2012HV-152T03	0.85±0.2	1500±25%	100	0.50	350
FCM2012HV-202T02	0.85±0.2	2000±25%	100	0.60	250
FCM2012NV-070T06	0.85±0.2	7±25%	100	0.10	600
FCM2012CV-300T07	0.85±0.2	30±25%	100	0.20	700
FCM2012CV-600T07	0.85±0.2	60±25%	100	0.20	700
FCM2012CV-121T06	0.85±0.2	120±25%	100	0.25	600
FCM2012CV-151T06	0.85±0.2	150±25%	100	0.25	600
FCM2012CV-221T04	0.85±0.2	220±25%	100	0.30	400
FCM2012CV-301T04	0.85±0.2	300±25%	100	0.35	400
FCM2012CV-471T04	1.25±0.2	470±25%	100	0.40	400
FCM2012CV-601T03	1.25±0.2	600±25%	100	0.45	300
FCM2012CV-102T02	1.25±0.2	1000±25%	100	0.50	200

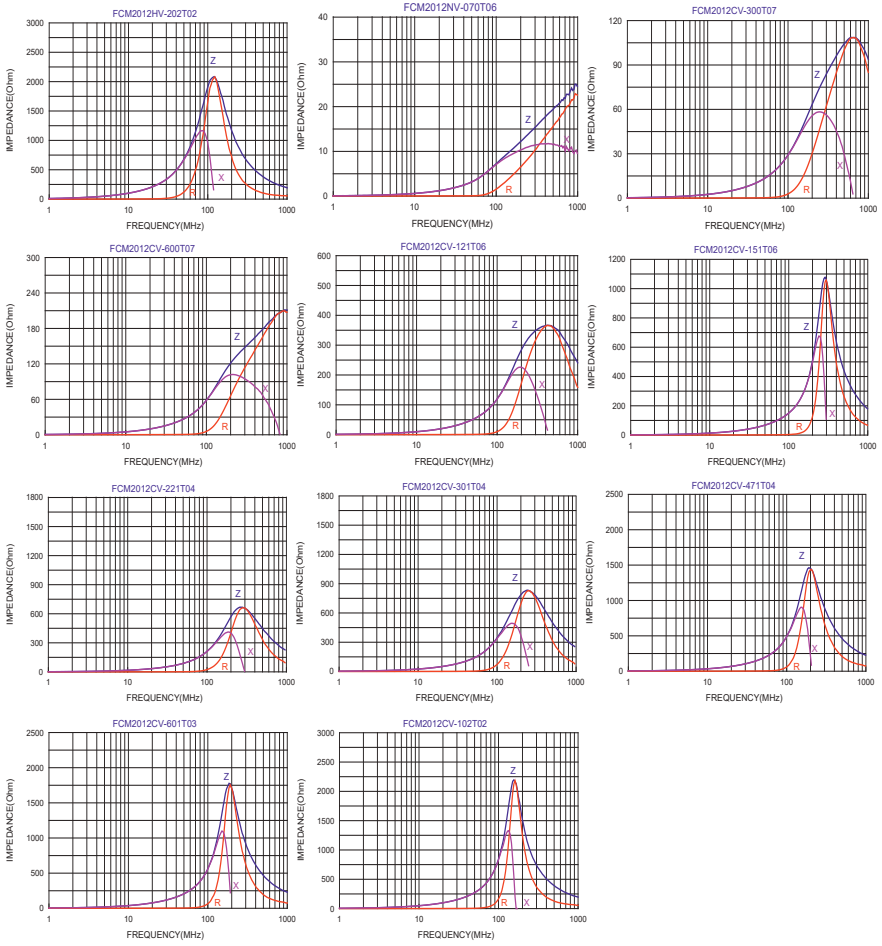
FCM 2012 Series (0805 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)



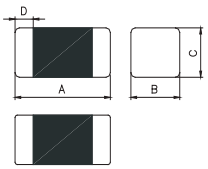
FCM 2012 Series (0805 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)



HCB 2012 Series (0805 inch -55~+150)

■ Dimensions



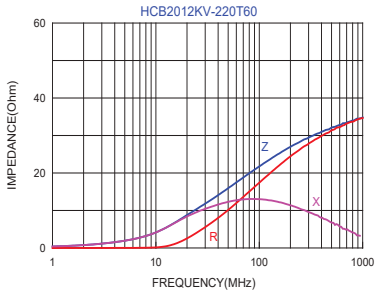
Dimensions	
A	2.00±0.20
B	1.25±0.20
C	0.85±0.20
D	0.50±0.30

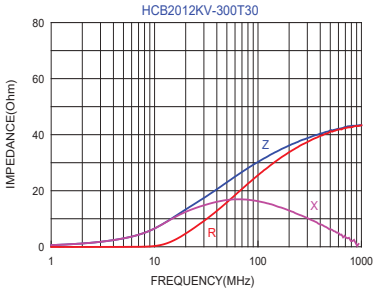
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB2012KV-220T60	22±25%	100	0.01	6000
HCB2012KV-300T30	30±25%	100	0.04	3000
HCB2012KV-300T60	30±25%	100	0.01	6000
HCB2012KV-800T30	80±25%	100	0.04	3000
HCB2012KV-121T30	120±25%	100	0.04	3000
HCB2012KV-151T20	150±25%	100	0.10	2000
HCB2012KV-221T20	220±25%	100	0.10	2000
HCB2012KV-221T30	220±25%	100	0.04	3000
HCB2012KV-301T10	300±25%	100	0.20	1000
HCB2012KV-301T30	300±25%	100	0.04	3000
HCB2012KV-471T10	470±25%	100	0.20	1000
HCB2012KV-601T10	600±25%	100	0.20	1000
HCB2012KV-601T20	600±25%	100	0.10	2000
HCB2012KV-102T10	1000±25%	100	0.20	1000

■ Impedance-Frequency Characteristics (Typical)

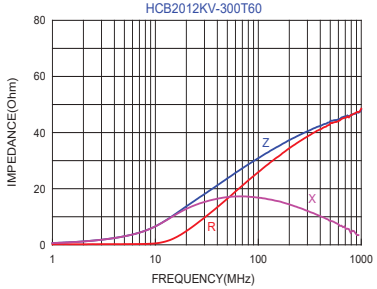




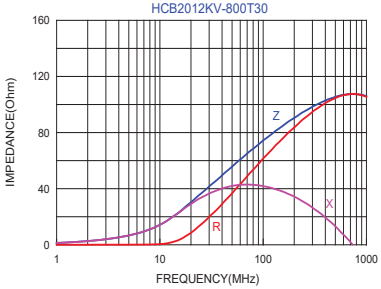
HCB 2012 Series (0805 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)

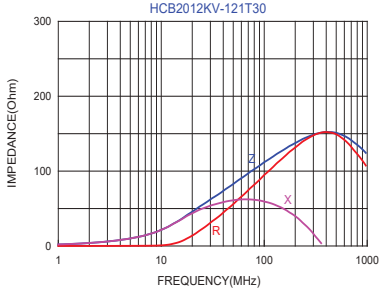
HCB2012KV-300T60



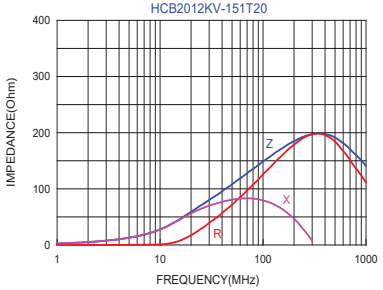
HCB2012KV-800T30



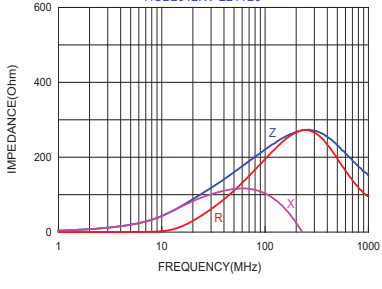
HCB2012KV-121T30



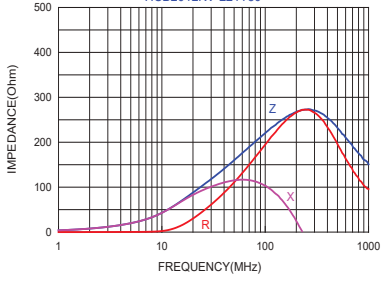
HCB2012KV-151T20



HCB2012KV-221T20



HCB2012KV-221T30



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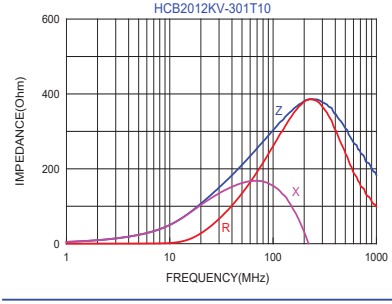
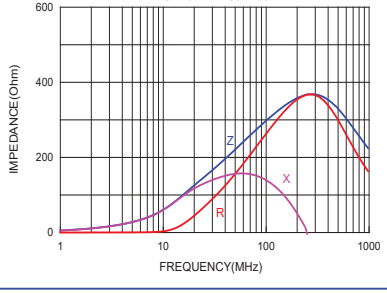
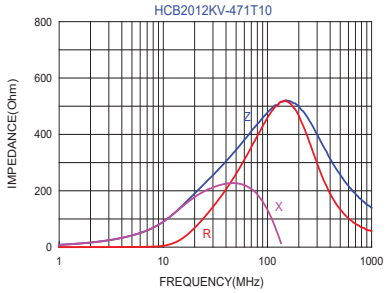


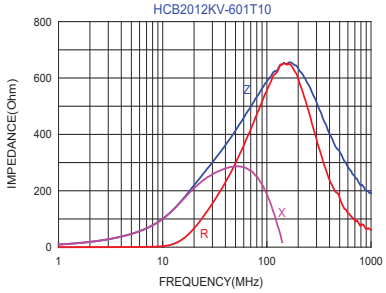
HCB2012KV-301T30

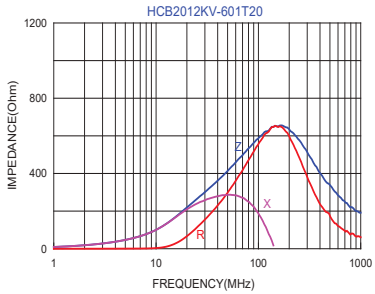


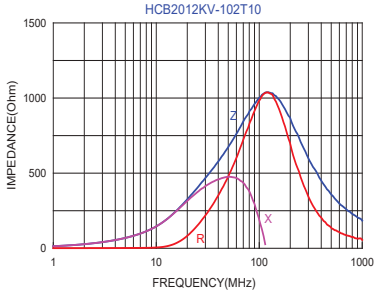
HCB 2012 Series (0805 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)



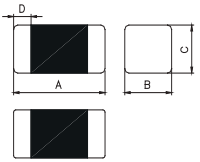






FCM 3216 Series (1206 inch -55~+150)

■ Dimensions



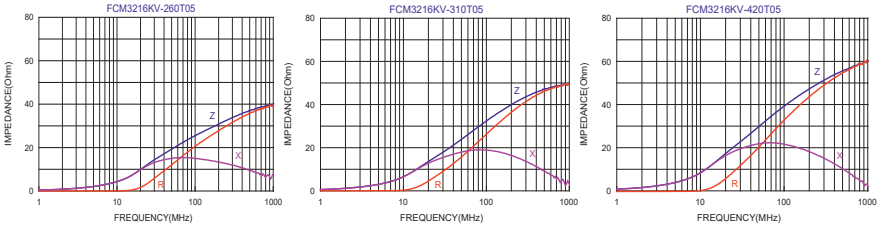
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

Units: mm

■ Specifications

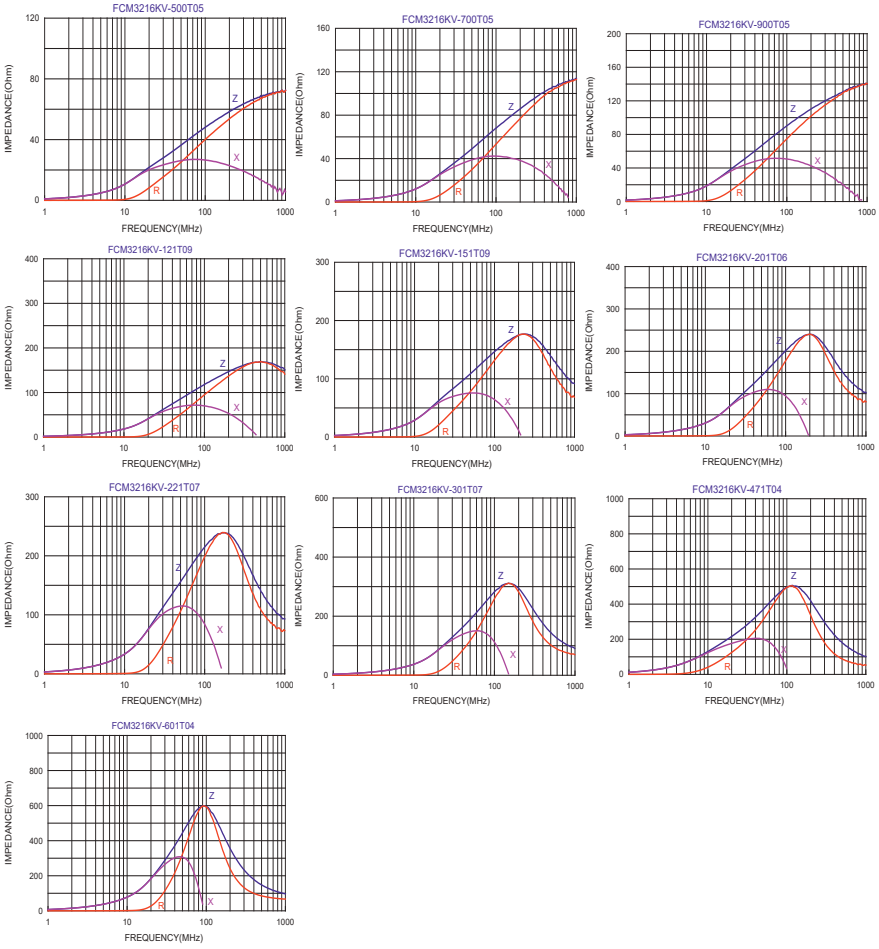
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM3216KV-260T05	26±25%	100	0.20	500
FCM3216KV-310T05	31±25%	100	0.20	500
FCM3216KV-420T05	42±25%	100	0.20	500
FCM3216KV-500T05	50±25%	100	0.20	500
FCM3216KV-700T05	70±25%	100	0.20	500
FCM3216KV-900T05	90±25%	100	0.20	500
FCM3216KV-121T09	120±25%	100	0.15	900
FCM3216KV-151T09	150±25%	100	0.15	900
FCM3216KV-201T06	200±25%	100	0.35	600
FCM3216KV-221T07	220±25%	100	0.35	700
FCM3216KV-301T07	300±25%	100	0.35	700
FCM3216KV-471T04	470±25%	100	0.35	400
FCM3216KV-601T04	600±25%	100	0.40	400

■ Impedance-Frequency Characteristics (Typical)



FCM 3216 Series (1206 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)



HCB 3216 Series (1206 inch -55~+150)

■ Dimensions

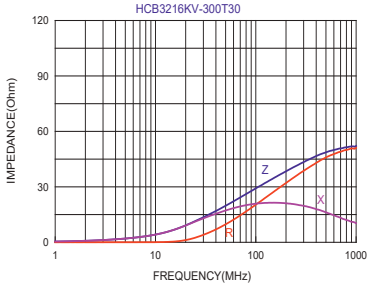
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

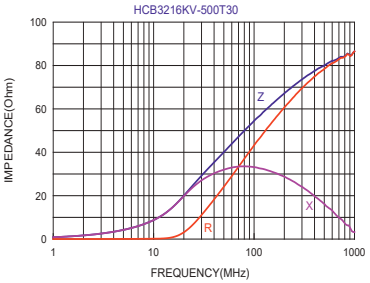
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB3216KV-300T30	30±25%	100	0.04	3000
HCB3216KV-500T30	50±25%	100	0.04	3000
HCB3216KV-800T30	80±25%	100	0.04	3000
HCB3216KV-121T20	120±25%	100	0.10	2000
HCB3216KV-151T20	150±25%	100	0.10	2000
HCB3216KV-301T10	300±25%	100	0.20	1000
HCB3216KV-471T10	470±25%	100	0.20	1000
HCB3216KV-501T30	500±25%	100	0.04	3000
HCB3216KV-601T20	600±25%	100	0.10	2000

■ Impedance-Frequency Characteristics (Typical)

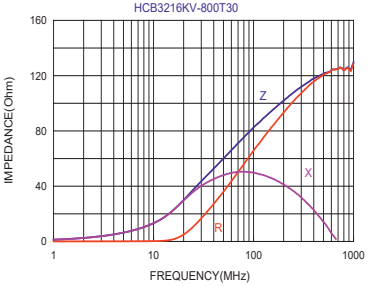




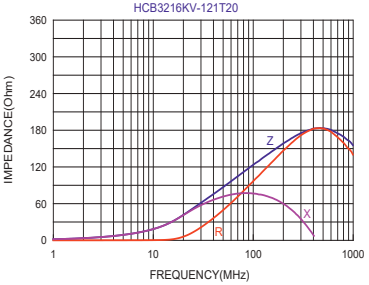
HCB 3216 Series (1206 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)

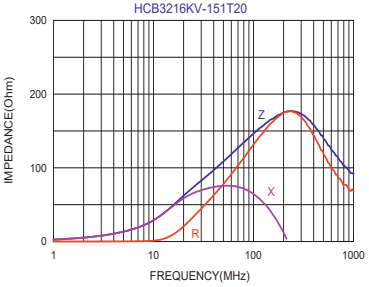
HCB3216KV-800T30



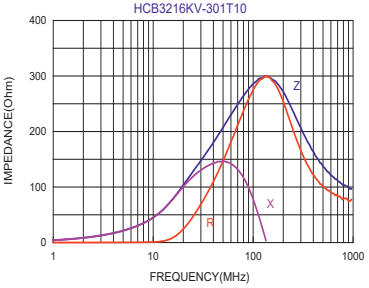
HCB3216KV-121T20



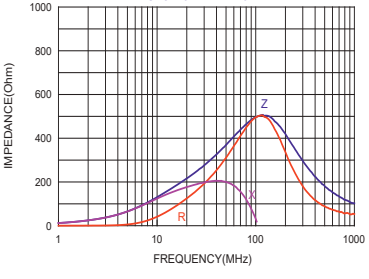
HCB3216KV-151T20



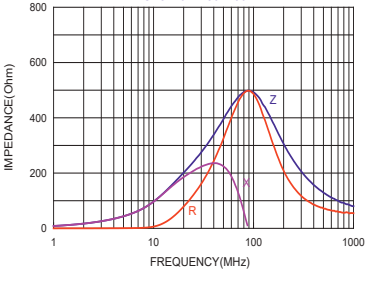
HCB3216KV-301T10



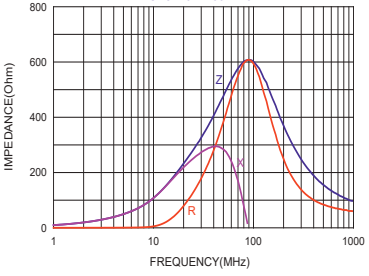
HCB3216KV-471T10



HCB3216KV-501T30

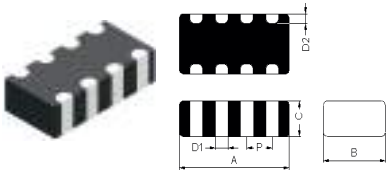


HCB3216KV-601T20



FCA 3216 Series (1206 inch -55~+150)

■ Dimensions



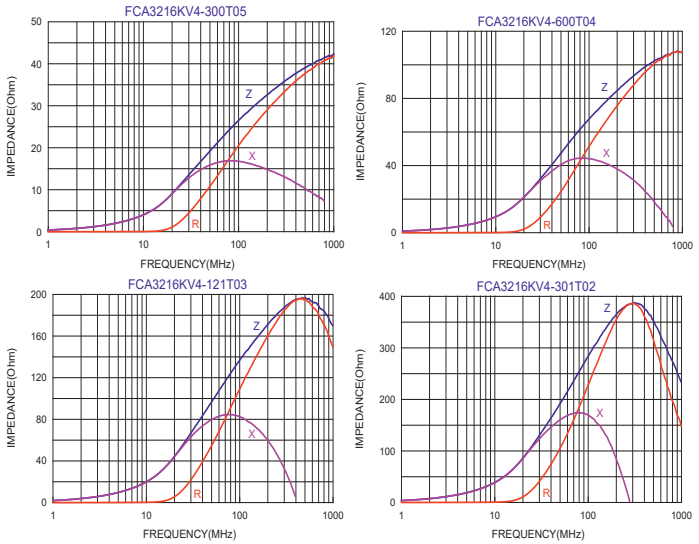
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	0.90±0.20
D1	0.40±0.15
D2	0.30±0.10
P	0.80±0.10

Units: mm

■ Specifications

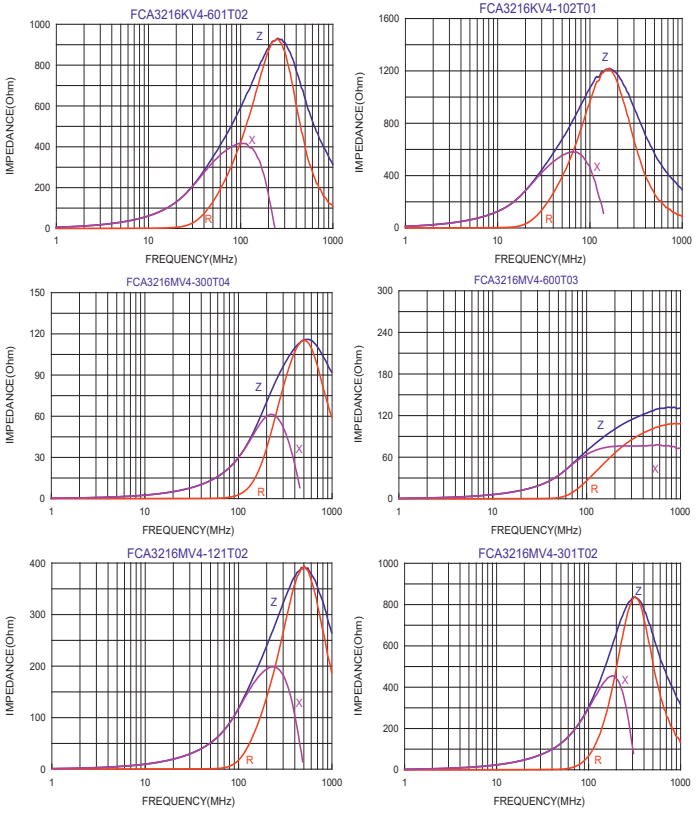
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCA3216KV4-300T05	30±25%	100	0.20	500
FCA3216KV4-600T04	60±25%	100	0.25	400
FCA3216KV4-121T03	120±25%	100	0.30	350
FCA3216KV4-301T02	300±25%	100	0.40	250
FCA3216KV4-601T02	600±25%	100	0.50	200
FCA3216KV4-102T01	1000±25%	100	0.75	150
FCA3216MV4-300T04	30±25%	100	0.25	400
FCA3216MV4-600T03	60±25%	100	0.30	300
FCA3216MV4-121T02	120±25%	100	0.40	250
FCA3216MV4-301T02	300±25%	100	0.50	200

■ Impedance-Frequency Characteristics (Typical)



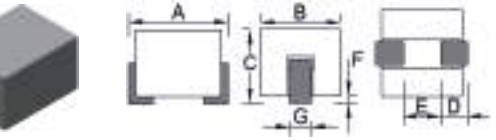
FCA 3216 Series (1206 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)

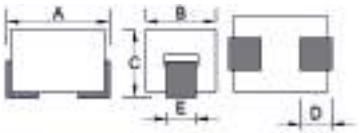


BPH 3230 4030 8532 Series (1211,1612,3412 inch) (-55~+125)

■ Dimensions



BPH 323823 PRODUCT SIZE						
A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
3.08 +0.10/-0.15	2.9 ±0.10	2.20 ±0.10	0.6 ±0.20	1.2 Min.	0.00 ~ 0.11	0.05 ±0.10



BPH403025 PRODUCT SIZE				
A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
4.30～5.10	3.1 ±0.15	2.70～3.1	1.35±0.20	1.35±0.15

BPH853225 PRODUCT SIZE				
A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
9.0 ±0.40	3.1 ±0.15	2.8 ±0.25	1.50±0.50	1.25±0.20

■ Specifications

Part Number	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ) max.	Rated Current (A) max. ΔT= 40℃
BPH 323023W5V-400T	23±25%	40±25%	0.6	15
BPH 403025W4V-530T	35±25%	53±25%	0.6	15
BPH 853225W4V-101T	65±25%	100±25%	1.0	18

HCB 4516 Series (1806 inch -55~+150)

■ Dimensions

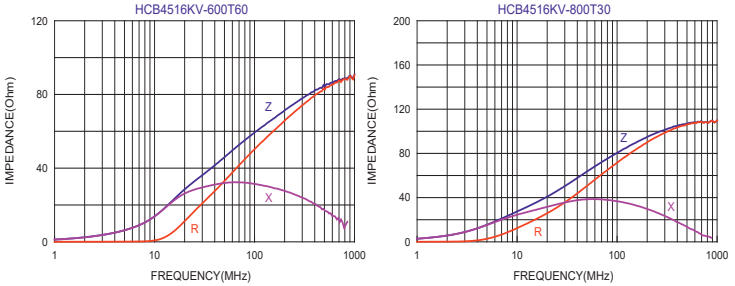
Dimensions	
A	4.50±0.20
B	1.60±0.20
C	1.60±0.20
D	0.50±0.30

Units: mm

■ Specifications

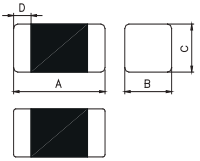
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4516KV-600T60	60±25%	100	0.01	6000
HCB4516KV-800T30	80±25%	100	0.04	3000

■ Impedance-Frequency Characteristics (Typical)



HCB 4532 Series (1812 inch -55~+150)

■ Dimensions



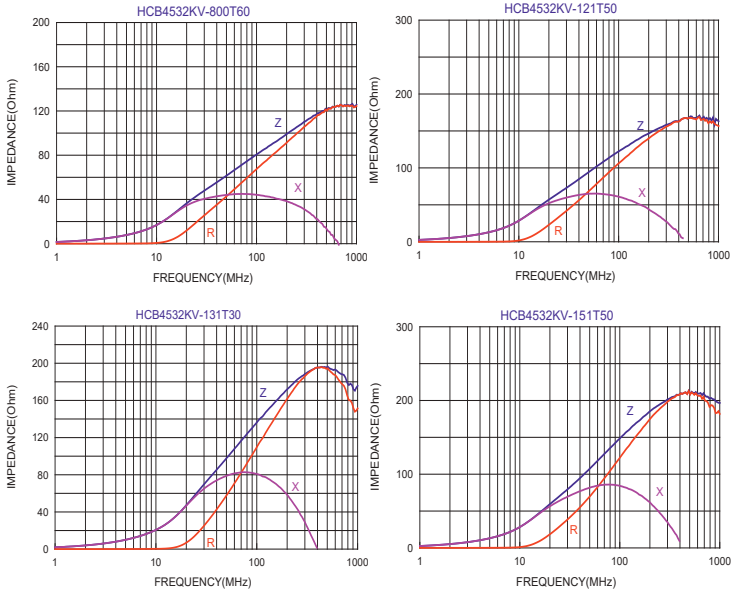
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	1.50±0.20
D	0.50±0.30

Units: mm

■ Specifications

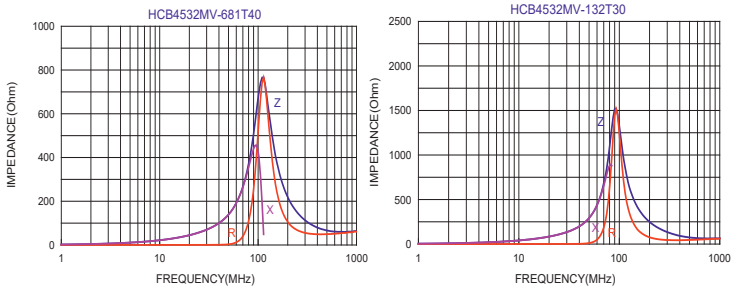
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4532KV-800T60	80±25%	100	0.01	6000
HCB4532KV-121T50	120±25%	100	0.02	5000
HCB4532KV-131T30	130±25%	100	0.04	3000
HCB4532KV-151T50	150±25%	100	0.02	5000
HCB4532MV-681T40	680±25%	100	0.03	4000
HCB4532MV-132T30	1300±25%	100	0.06	3000

■ Impedance-Frequency Characteristics (Typical)



HCB 4532 Series (1812 inch -55~+150)

■ Impedance-Frequency Characteristics (Typical)



HSF 1210 Series (0504 inch -55~+125)

■ Dimensions

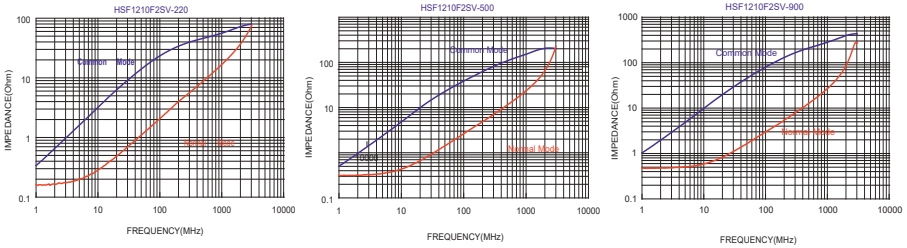
Dimensions	
A	1.20±0.20
B	1.00±0.20
C	0.90 max.
D1	0.35±0.10
D2	0.35±0.10
E	0.03 min.

Units: mm

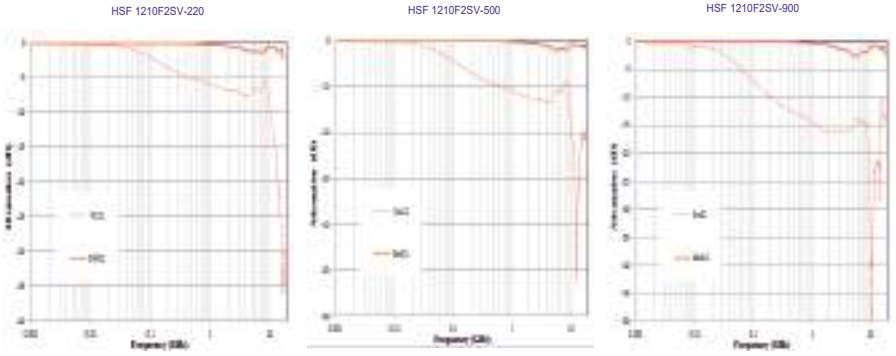
■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HSF1210F2SV-220T04	22±25%	100	0.20	400	50	125	10M
HSF1210F2SV-500T02	50±25%	100	0.30	250	50	125	10M
HSF1210F2SV-900T02	90±25%	100	0.40	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

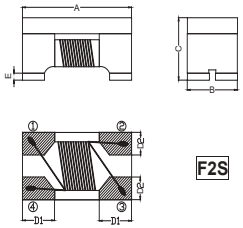


■ Insertion Loss Test (Typical)



WCM 2012 Series (0805 inch -55~+125)

■ Dimensions



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
WCM	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

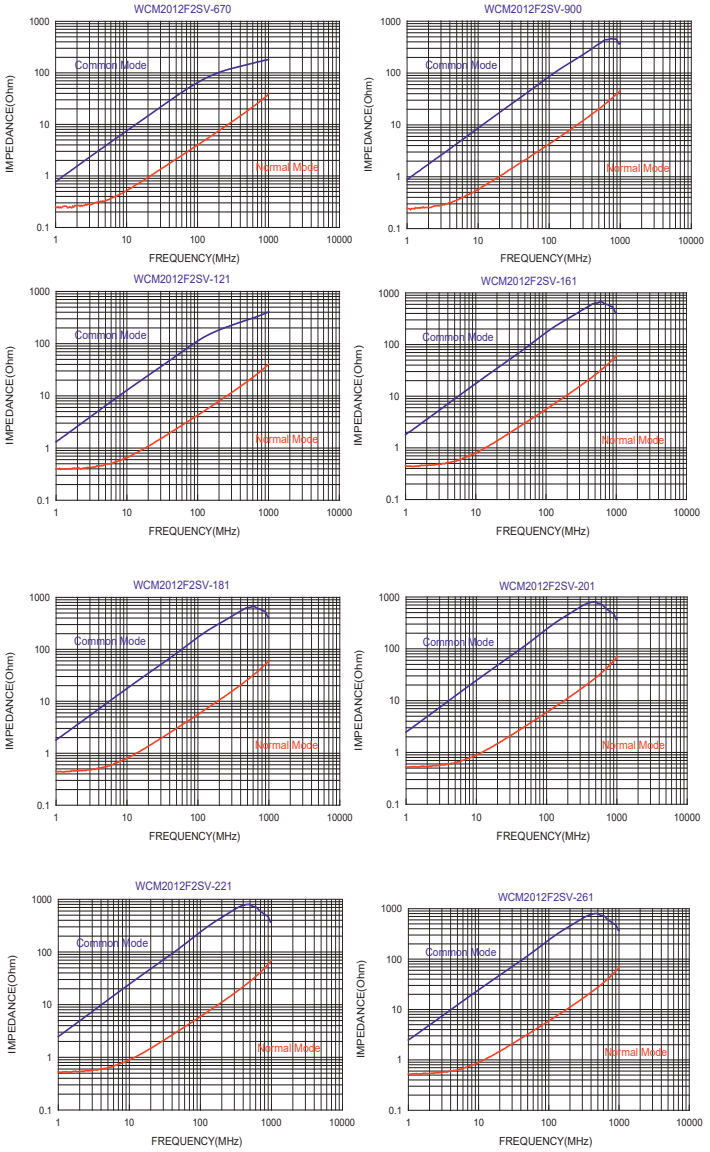
Unit: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SV-670T04	67±25%	100	0.25	400	50	125	10M
WCM2012F2SV-900T04	90±25%	100	0.30	400	50	125	10M
WCM2012F2SV-121T04	120±25%	100	0.30	400	50	125	10M
WCM2012F2SV-161T03	160±25%	100	0.35	350	50	125	10M
WCM2012F2SV-181T03	180±25%	100	0.35	350	50	125	10M
WCM2012F2SV-201T03	200±25%	100	0.40	300	50	125	10M
WCM2012F2SV-221T03	220±25%	100	0.40	300	50	125	10M
WCM2012F2SV-261T03	260±25%	100	0.40	300	50	125	10M
WCM2012F2SV-361T03	360±25%	100	0.50	300	50	125	10M
WCM2012F2SV-601T03	600±25%	100	0.88	300	50	125	10M
WCM2012F2SV-102T01	1000±25%	100	1.30	100	50	125	10M

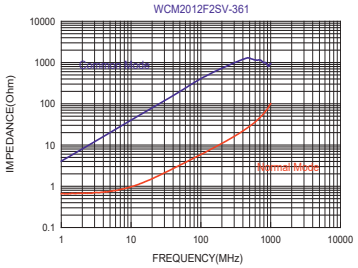
WCM 2012 Series (0805 inch -55~+125)

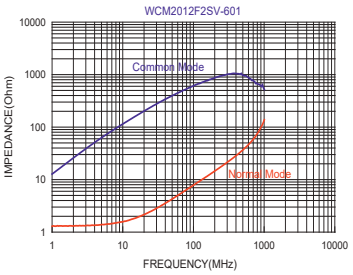
■ Impedance-Frequency Characteristics (Typical)

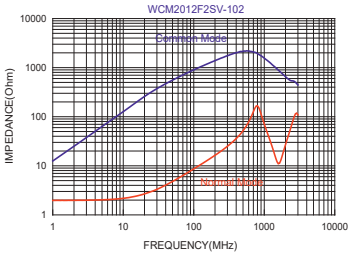


WCM 2012 Series (0805 inch -55~+125)

■ Impedance-Frequency Characteristics (Typical)

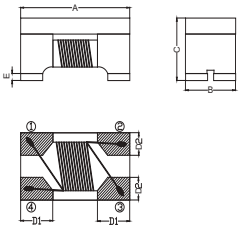






HDMI 2012 Series (0805 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

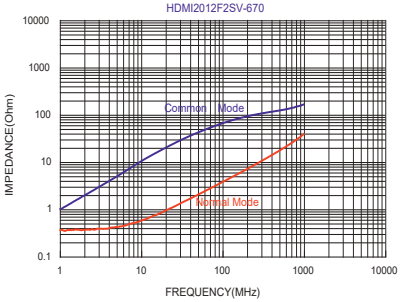
Units: mm

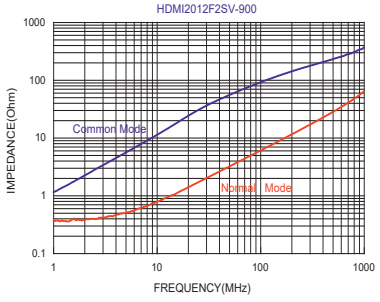
■ Specifications

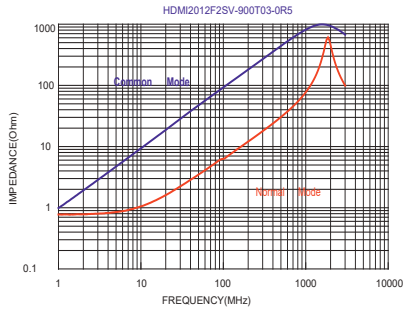
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HDMI2012F2SV-670T04	67 typ.	50 min.	100	0.30	400	50	125	10M
HDMI2012F2SV-900T04	90 typ.	65 min.	100	0.30	400	50	125	10M
HDMI2012F2SV-900T03-0R5	90	±25%	100	0.50	300	50	125	10M
HDMI2012F2SV-900T03-SL	90	±25%	100	0.30	300	50	125	10M

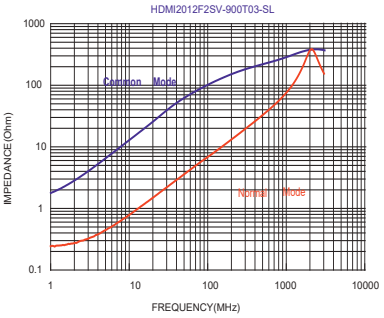
Note: 0R5:high common mode Z type, SL: high TDR Z type.

■ Impedance-Frequency Characteristics (Typical)



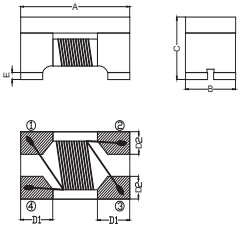






HSF 2012 Series (0805 inch -55~+125)

■ Dimensions



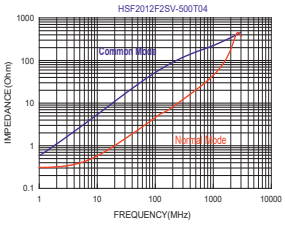
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

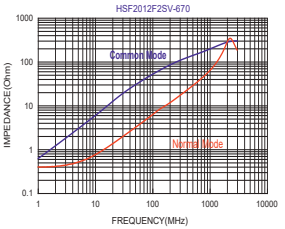
Units: mm

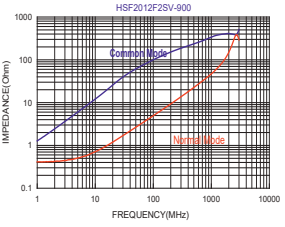
■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HSF2012F2SV-500T04	50±25%	100	0.25	400	50	125	10M
HSF2012F2SV-670T04	67±25%	100	0.30	400	50	125	10M
HSF2012F2SV-900T04	90±25%	100	0.30	400	50	125	10M

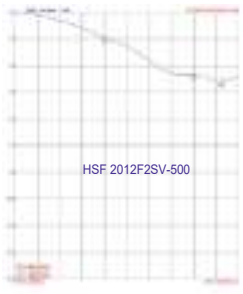
■ Impedance-Frequency Characteristics (Typical)





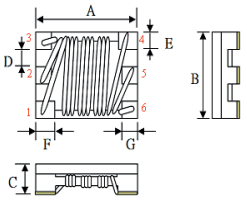


■ Insertion Loss Test (Typical)



TCM 252013 Series (1008 inch -55~+125)

■ Dimensions



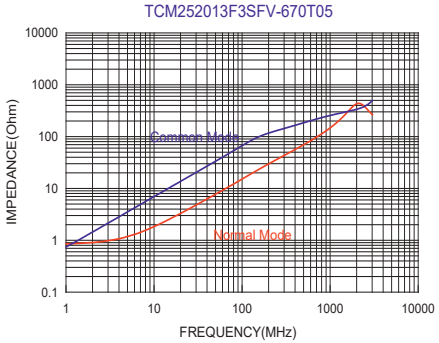
Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.30 max.
D	0.20±0.10
E	0.55±0.10
F	0.45±0.10
G	0.55±0.10

Units: mm

■ Specifications

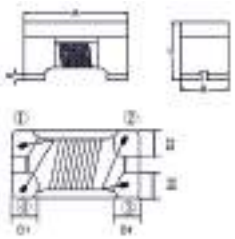
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt.(Vdc) max.	Withstand Volt.(Vdc) max.	IR (Ω) min.
TCM252013F3SFV-670T05	67±25%	100	0.2	500	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



WCM 3216 Series (1206 inch -55~+125)

■ Dimensions



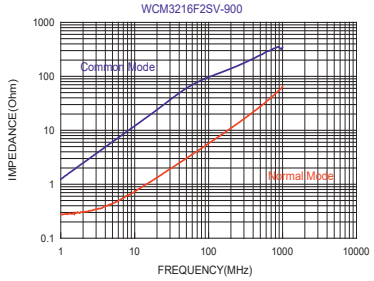
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	2.00±0.20
D1	0.65±0.10
D2	0.64±0.10
E	0.15±0.10

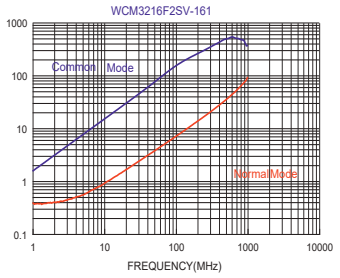
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM3216F2SV-900T04	90±25%	100	0.30	400	50	125	10M
WCM3216F2SV-121T03	120±25%	100	0.30	350	50	125	10M
WCM3216F2SV-161T03	160±25%	100	0.40	350	50	125	10M
WCM3216F2SV-221T03	220±25%	100	0.45	300	50	125	10M
WCM3216F2SV-261T03	260±25%	100	0.50	300	50	125	10M
WCM3216F2SV-361T03	360±25%	100	0.60	300	50	125	10M
WCM3216F2SV-601T03	600±25%	100	0.80	300	50	125	10M
WCM3216F2SV-102T02	1000±25%	100	1.00	200	50	125	10M
WCM3216F2SV-222T02	2200±25%	100	1.20	200	50	125	10M

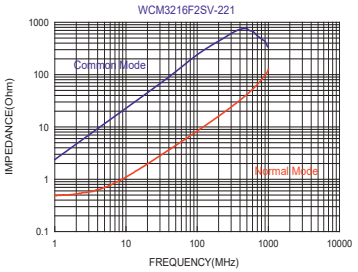
■ Impedance-Frequency Characteristics (Typical)

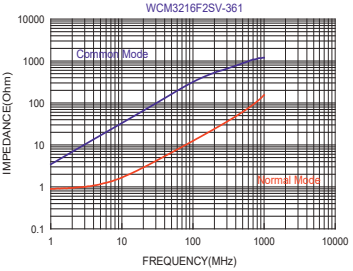


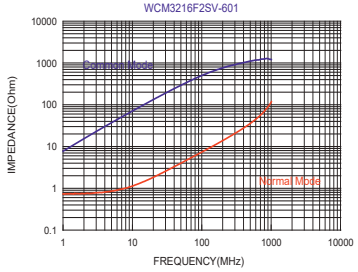


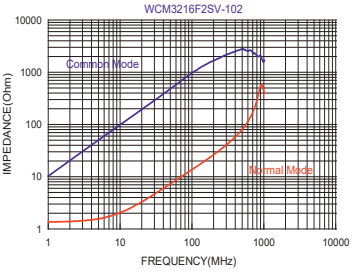
WCM 3216 Series (1206 inch -55~+125)

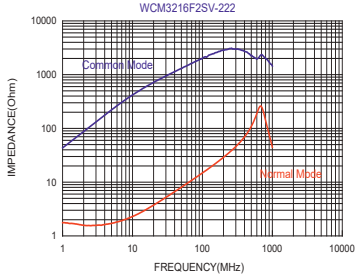
■ Impedance-Frequency Characteristics (Typical)





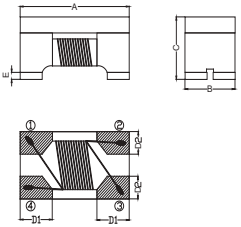






DCM 3216 Series (1206 inch -40~+85)

■ Dimensions



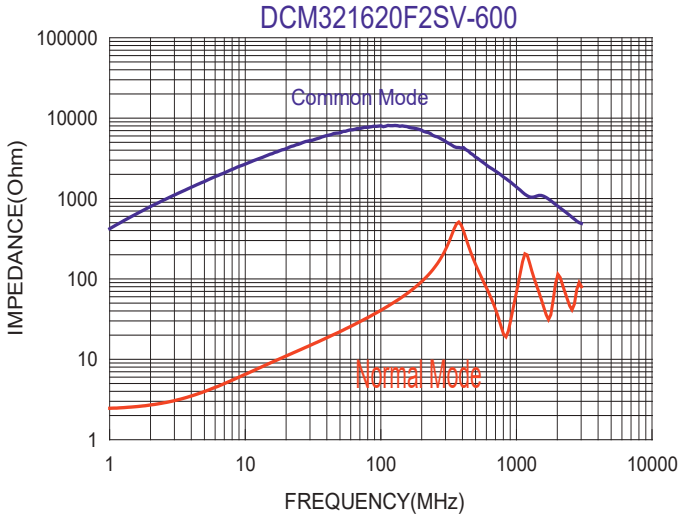
Dimensions	
A	3.40±0.20
B	1.60±0.20
C	2.00±0.20
D1	0.64±0.10
D2	0.66±0.10

Units: mm

■ Specifications

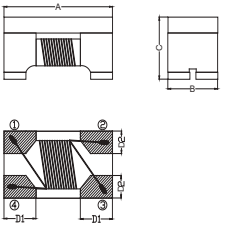
Part Number	Inductance (uH) [100kHz/0.1V] Min.	DC Resistance (Ω)Max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc) max.	IR (Ω) min.
DCM321620F2SV-600T02	60	1.7	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



WCM 3225 Series (1210 inch -55~+125)

■ Dimensions



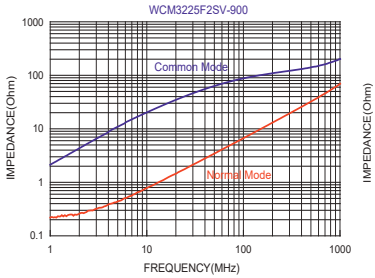
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.80±0.10
D2	0.90±0.10

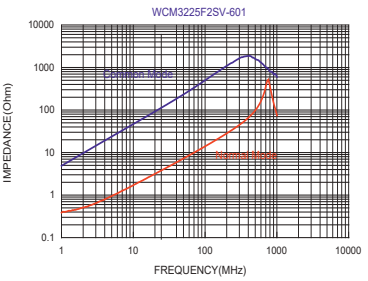
Units: mm

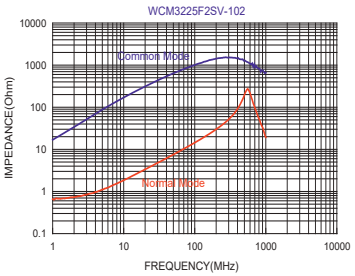
■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM3225F2SV-900T10	90±25%	100	0.050	1000	50	125	10M
WCM3225F2SV-601T10	600±25%	100	0.20	1000	50	125	10M
WCM3225F2SV-102T04	1000±25%	100	0.30	400	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

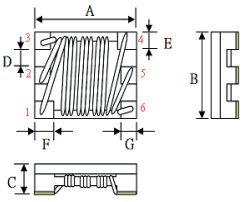






TCM 322512 Series (1210 inch -55~+125)

■ Dimensions



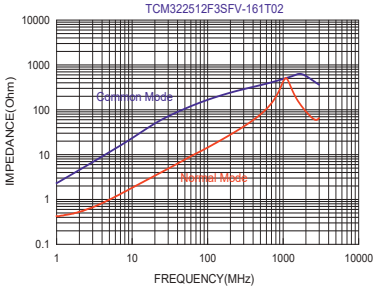
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	1.30 max.
D	0.29±0.10
E	0.64±0.10
F	0.60±0.10
G	0.50±0.10

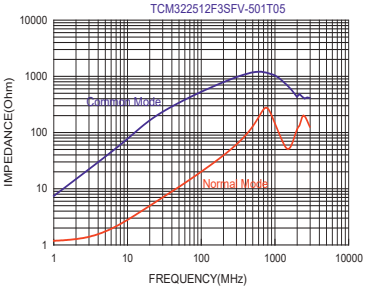
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt.(Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
TCM322512F3SFV-161T02	160±25%	100	0.21	200	50	125	10M
TCM322512F3SFV-501T05	500±25%	100	0.43	500	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

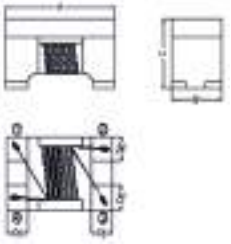




ACM 3225 Series (1210 inch)

(DV:-55~+150,WV:-55~+125)

■ Dimensions



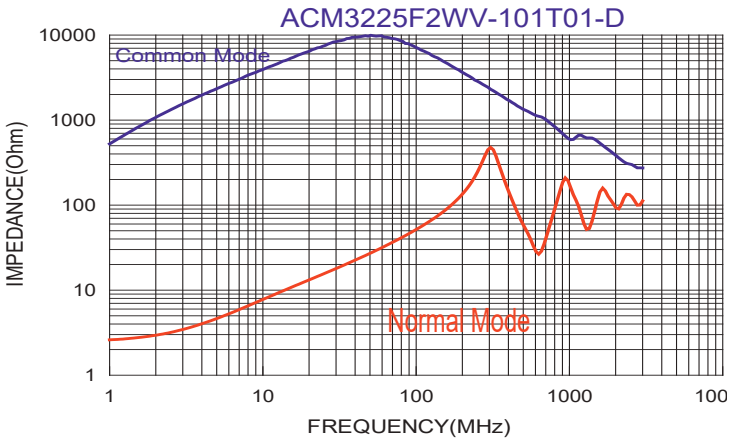
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.50 MAX
D1	0.55±0.15
D2	0.75±0.20

Units: mm

■ Specifications

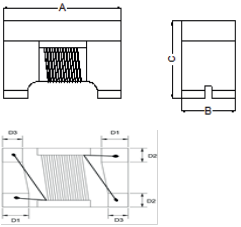
Part Number	Inductance (μH)+50/-30% [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated voltage (Vdc) max.	IR (MΩ) min.
ACM3225F2DV-110T03-D	11	0.4	300	80	10
ACM3225F2DV-220T02-D	22	0.5	250	80	10
ACM3225F2DV-510T02-D	51	0.7	200	80	10
ACM3225F2DV-101T01-D	100	1.5	150	80	10
ACM3225F2WV-101T01-D	100 +50/-30%	1.5	150	80	10
ACM3225F2WV-201T007-D	200 +30/-10%	5.5	70	80	10

■ Impedance-Frequency Characteristics (Typical)



DCM 3532 Series (1412 inch -55~+125)

■ Dimensions



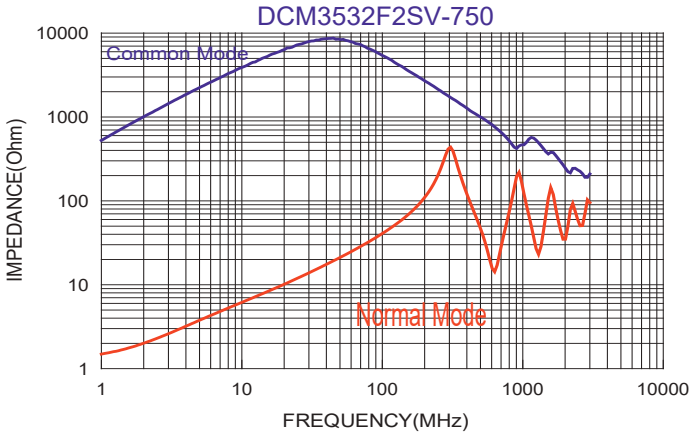
Dimensions	
A	3.50±0.20
B	3.20±0.20
C	2.30±0.20
D1	0.63±0.10
D2	1.18±0.10

Units: mm

■ Specifications

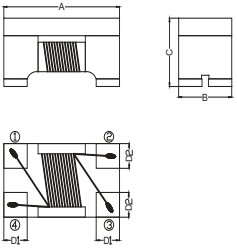
Part Number	Inductance (uH) [100kHz/0.1V] Min.	DC Resistance (Ω)Max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc) max.	IR (Ω) min.
DCM3532F2SV-750T03	75	0.8	300	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



WCM 4532 Series (1812 inch -55~+125)

■ Dimensions



Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	0.90±0.15
D2	1.05±0.15

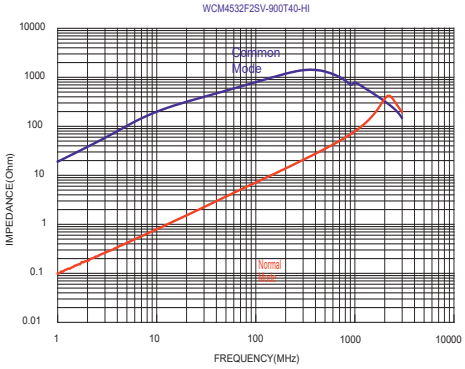
Units: mm

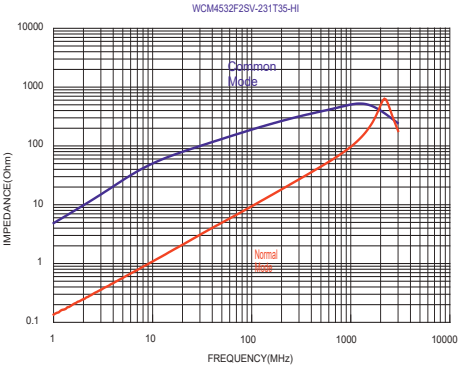
■ Specifications

TAI-TECH Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM4532F2SV-900T40-HI	68 min	90 typ.	100	0.050	4000	50	125	10M
WCM4532F2SV-231T35-HI	173 min	230 typ.	100	0.050	3500	50	125	10M
WCM4532F2SV-421T32-HI	300 min	420 typ.	100	0.055	3200	50	125	10M
WCM4532F2SV-601T25-HI	450 min	600 typ.	100	0.060	2500	50	125	10M
WCM4532F2SV-901T23-HI	650 min	900 typ.	100	0.070	2300	50	125	10M
WCM4532F2SV-142T20-HI	1000 min	1400 typ.	100	0.100	2000	50	125	10M
WCM4532F2SV-282T09-HI	2100 min	2800 typ.	100	0.350	900	50	125	10M

Note: When current is applied , the temperature of the part should not exceed 125℃

■ Impedance-Frequency Characteristics (Typical)

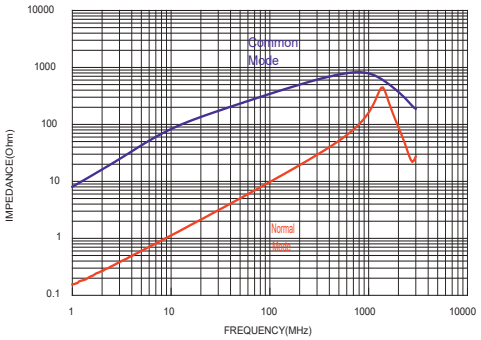




WCM 4532 Series (1812 inch -55~+125)

■ Impedance-Frequency Characteristics (Typical)

WCM4532F2SV-421T32-HI



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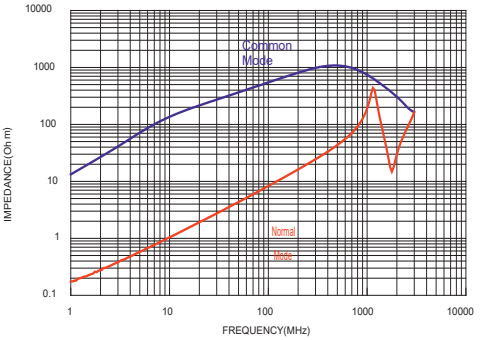

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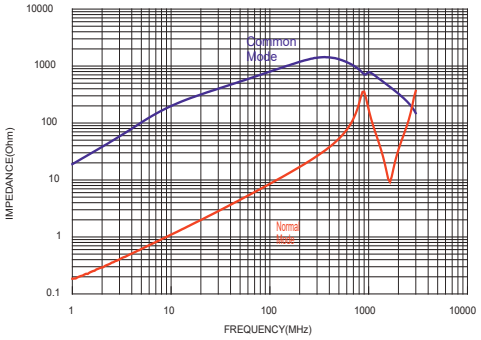
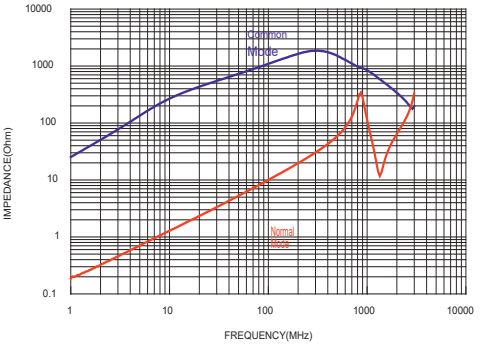


WCM4532F2SV-142T20-HI



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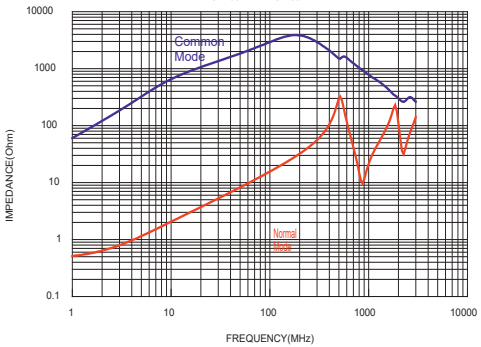


ACM 4532 Series (1812 inch)

(NV:-55~+150,WV:-55~+125)

■ Dimensions

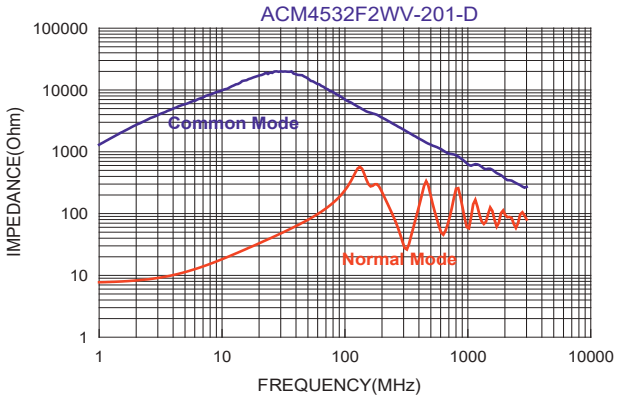
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.15
D1	NV:0.75,WV:0.80 ±0.20
D2	0.85±0.20
D3	0.60±0.20

Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)[10MHz]		Inductance (μH)+50/-30% [100kHz]	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	IR (MΩ) min.
ACM4532F2NV-110T03-D	300 min.	600 typ.	11	0.6	360	50	10
ACM4532F2NV-220T03-D	500 min.	1200 typ.	22	1.0	310	50	10
ACM4532F2NV-510T02-D	1000 min.	2800 typ.	51	1.0	230	50	10
ACM4532F2NV-101T02-D	2000 min.	5800 typ.	100	2.0	200	50	10
ACM4532F2WV-201T01-D	-	-	200 (+60/-20uH)	4.5	100	50	10

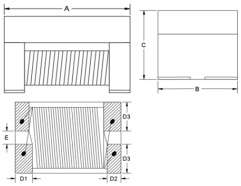
■ Impedance-Frequency Characteristics (Typical)



ACM 4532 T

(1812 inch -55~+125)

■ Dimensions



Dimensions	
A	4.60±0.20
B	3.20±0.20
C	2.90±0.15
D1	0.75±0.20
D2	0.60±0.20
D3	1.30±0.20
E	0.60±0.20

Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (μH)Typ. [100kHz/0.1V]	DC Resistance (Ω) max	Insertion loss Max		Return Loss (Min) (Z OUT=100Ω±1%)		
			10-100MHz	100-400MHz	30-80MHz	200MHz	400MHz
	100	4.2	-1.0 dB	-1.7 dB	-22 dB	-17 dB	-15 dB

	Common To Common-Mode Rejection (Min)				Common To Differential-Mode Rejection (Min)				Current Rating (mA)Max	Turns Ratio and Polarity
	30-80MHz	200MHz	400MHz	1000MHz	10-30MHz	100MHz	200MHz	1000MHz		
ACM4532F2NV-101-T	-45 dB	-35 dB	-32 dB	-25 dB	-60 dB	-47 dB	-40 dB	-38 dB	100	1.00±2%,PER SCHEMATIC

TAI-TECH Part Number	Inductance (μH)Typ. [100kHz/0.1V]	DC Resistance (Ω)max	Insertion loss Max		Return Loss (Min) (Z OUT=100Ω±1%)		
			100 KHz	1-60 MHz	1-10MHz	30MHz	60MHz
	160	5.0	-0.5 dB	-1.0 dB	-26 dB	-21.1 dB	-18 dB

	Common To Common-Mode Rejection (Min)				Common To Differential-Mode Rejection (Min)			Current Rating (mA)Max	Turns Ratio and Polarity
	1 MHz	10-100MHz	400MHz	1000MHz	1-10MHz	100MHz	1000MHz		
ACM4532F2NV-161-T	-23 dB	-42 dB	-25 dB	-15 dB	-70 dB	-50 dB	-24 dB	100	1.00±2%,PER SCHEMATIC

ACM 6545 T

(2618 inch -55~+125)

■ Dimensions

Dimensions	
A	6.50±0.30
B	4.50±0.20
C	2.70±0.20
D1	0.88±0.20
D2	0.90±0.20
D3	0.76±0.15

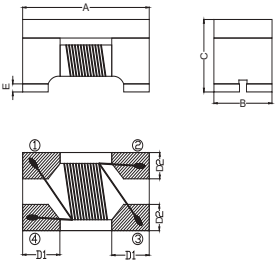
Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH)	Insertion loss (dB Max)		Return Loss (dB Min)			Common Mode Rejection (dB Min)				Differential to Common Mode Rejection (dB Min)			Current Rating (mA)Max
		100 KHz	1-60 MHz	1-10 MHz	30 MHz	60 MHz	1 MHz	10 MHz	60-100 MHz	200-1000 MHz	1-10 MHz	100 MHz	1000 MHz	
ACM65452F2NV-101-T	100 typ.	-3.0dB	-1.0dB	-28 dB	-23 dB	-18 dB	-18 dB	-35 dB	-43 dB	-30 dB	-70 dB	-50 dB	-25 dB	350

BCM 2012 Series (0805 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

TAI-TECH Part Number	UB/B Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Power (dBm) max.	Rated Volt. (DCV) max.	Withstand Volt. (DCV) max.	IR (MΩ) min.	Insertion Loss (dB)max	CMRR (dB)
BCM2012F2SV-50011-TE2	50/50	400~1800	0.50	27	20	125	10	2.2	15(typ.)
BCM2012F2SV-50011-T02	50/50	40~ 860	1.00	27	20	125	10	2.5	20(typ.)
BCM2012F2SV-50011-MN2	50/50	100~1000	0.35	27	20	50	10	1.0	10(min.)
BCM2012F2SV-50011-ST2	50/50	45~870	1.00	27	20	50	10	1.2	20(min.)
BCM2012F2SV-75011-TE2	75/75	400~1800	0.50	27	20	125	10	2.0	15(typ.)
BCM2012F2SV-75011-T02	75/75	50~1200	0.70	27	20	125	10	1.2	20(typ.)
BCM2012F2SV-75011-MS2	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)
BCM2012F2SV-75011-MT2	75/75	50~1200	0.77	27	20	50	10	50~870MHz:1.0 870~1200MHz:1.2	20(min.)
BCM2012F2SV-75011-SA2	75/75	45~870	0.88	27	20	50	10	1.0	20(min.)
BCM2012F2SV-75011-SB2	75/75	50~1200	0.70	27	20	50	10	1.2	20(min.)
BCM2012F2SV-75011-122	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)

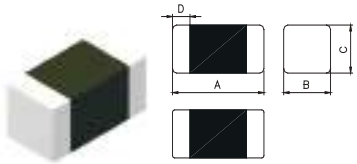


Chip Coils / Inductors

- **Multilayer Ferrite Chip Inductors**
  FCI Series
- **Wire wound Ferrite Chip Inductors**
  SWF-L Series
  SWF-C Series
- **High Frequency Wirewound Chip Inductors**
  SWI Series
- **Hearing Aid (HAC) Inductors**
  PAS Series
- **Power Over Coax Inductors**
  APO Series
- **LAN Transformer**
  TXF-W Series

FCI 1005 Series (0402 inch -55~+125)

■ Dimensions



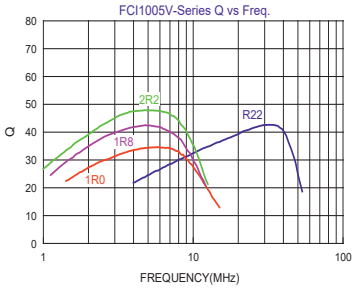
Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

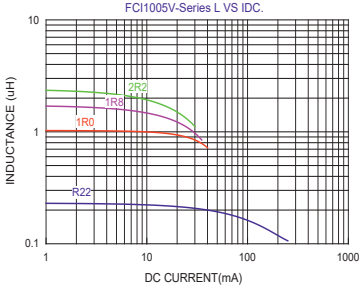
Units: mm

■ Specifications

Part Number	Inductance(uH)		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	Tolerance	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI1005V-R22K	0.22±10%	60mV / 25M	10	25	25	1.20	110
FCI1005V-1R0K	1.0±10%	60mV / 10M	20	10	15	0.90	40
FCI1005V-1R8K	1.8±10%	60mV / 10M	20	10	15	1.45	30
FCI1005V-2R2K	2.2±10%	60mV / 10M	20	10	10	1.70	28

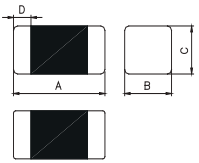
■ Q vs Frequency, DC Bias Characteristics (Typical)





FCI 1608 Series (0603 inch -55~+125)

■ Dimensions



Dimensions		
A	1.60±0.15	1.80±0.15
B	0.80±0.15	
C	0.80±0.15	
D	0.30±0.20	

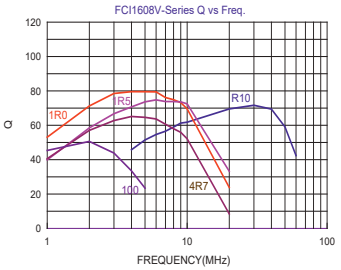
Units: mm

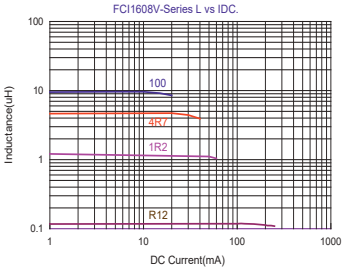
■ Specifications

Part Number	Thickness A Size(mm)	Inductance(uH)		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		Tolerance	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI1608V-47N□	1.60±0.15	0.047	60mV / 50M	10	50	50	0.30	260
FCI1608V-68N□	1.60±0.15	0.068	60mV / 50M	10	50	50	0.30	250
FCI1608V-82N□	1.60±0.15	0.082	60mV / 50M	10	50	50	0.30	245
FCI1608V-R10□	1.60±0.15	0.10	60mV / 25M	15	25	50	0.50	240
FCI1608V-R12□	1.60±0.15	0.12	60mV / 25M	15	25	50	0.50	205
FCI1608V-R15□	1.60±0.15	0.15	60mV / 25M	15	25	50	0.60	180
FCI1608V-R18□	1.60±0.15	0.18	60mV / 25M	15	25	50	0.60	165
FCI1608V-R22□	1.60±0.15	0.22	60mV / 25M	15	25	50	0.80	150
FCI1608V-R27□	1.60±0.15	0.27	60mV / 25M	15	25	50	0.80	136
FCI1608V-R33□	1.60±0.15	0.33	60mV / 25M	15	25	35	0.85	125
FCI1608V-R39□	1.60±0.15	0.39	60mV / 25M	15	25	35	1.00	110
FCI1608V-R47□	1.60±0.15	0.47	60mV / 25M	15	25	35	1.35	105
FCI1608V-R56□	1.60±0.15	0.56	60mV / 25M	15	25	35	1.55	95
FCI1608V-R68□	1.60±0.15	0.68	60mV / 25M	15	25	35	1.70	80
FCI1608V-R82□	1.60±0.15	0.82	60mV / 25M	15	25	35	2.10	75
FCI1608V-1R0□	1.60±0.15	1.0	60mV / 10M	30	10	25	0.60	70
FCI1608V-1R5□	1.60±0.15	1.5	60mV / 10M	30	10	25	0.80	55
FCI1608V-1R8□	1.60±0.15	1.8	60mV / 10M	30	10	25	0.95	50
FCI1608V-2R2□	1.60±0.15	2.2	60mV / 10M	30	10	15	1.15	45
FCI1608V-3R3□	1.60±0.15	3.3	60mV / 10M	30	10	15	1.55	38
FCI1608V-4R7□	1.60±0.15	4.7	60mV / 10M	30	10	15	2.10	33
FCI1608TV-100□	1.80±0.15	10.0	60mV / 2M	30	2	15	2.55	17

□: K=±10% , L=±15% , M=±20%

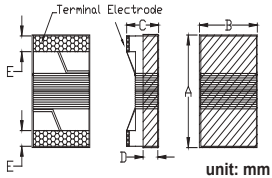
■ Q vs Frequency, DC Bias Characteristics (Typical)





SWF 1608L Series (0603 inch -55~+125)

■ Dimensions



unit: mm

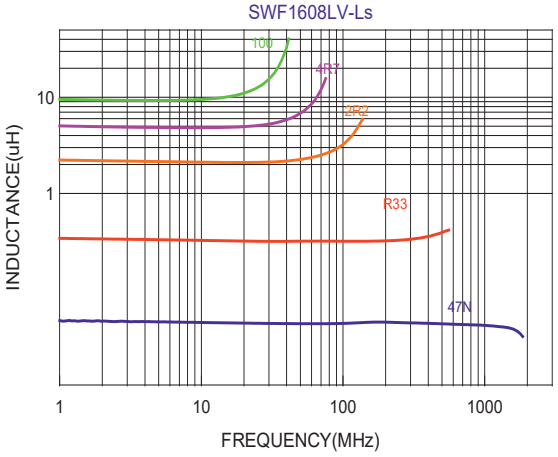
Dimensions	
A	1.65±0.15
B	1.15±0.15
C	1.05±0.15
D	0.38 ref.
E	0.35±0.10

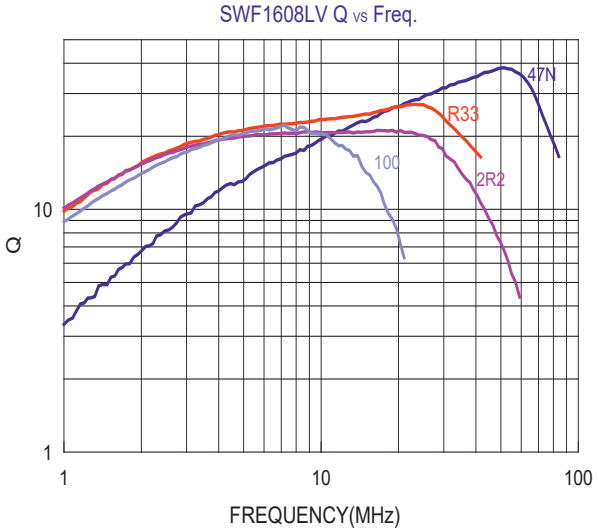
■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Typ	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
SWF1608LV-47N	0.047	K	0.5V/7.9M	17	7.9	1700	0.075	1500
SWF1608LV-72N	0.072	K	0.5V/7.9M	17	7.9	1700	0.12	1500
SWF1608LV-R10	0.1	K	0.5V/7.9M	17	7.9	1500	0.12	1500
SWF1608LV-R15	0.15	K	0.5V/7.9M	17	7.9	1350	0.15	1450
SWF1608LV-R18	0.18	K	0.5V/7.9M	17	7.9	1150	0.15	1400
SWF1608LV-R33	0.33	K	0.5V/7.9M	17	7.9	850	0.46	900
SWF1608LV-R39	0.39	K	0.5V/7.9M	17	7.9	810	0.51	1100
SWF1608LV-R47	0.47	K	0.5V/7.9M	17	7.9	720	0.62	1050
SWF1608LV-R56	0.56	K	0.5V/7.9M	17	7.9	600	0.44	850
SWF1608LV-R68	0.68	K	0.5V/7.9M	17	7.9	600	0.52	850
SWF1608LV-R82	0.82	K	0.5V/7.9M	17	7.9	480	0.69	750
SWF1608LV-R91	0.91	K	0.5V/7.9M	17	7.9	330	0.76	670
SWF1608LV-1R0	1.00	K	0.5V/7.9M	17	7.9	310	0.81	600
SWF1608LV-1R2	1.2	K	0.5V/7.9M	17	7.9	270	0.87	550
SWF1608LV-1R5	1.5	K	0.5V/7.9M	17	7.9	270	1.06	540
SWF1608LV-1R8	1.8	K	0.5V/7.9M	17	7.9	230	1.1	520
SWF1608LV-2R2	2.2	K	0.5V/7.9M	17	7.9	130	1.2	500
SWF1608LV-2R7	2.7	K	0.5V/7.9M	17	7.9	105	1.5	480
SWF1608LV-3R3	3.3	K	0.5V/7.9M	17	7.9	84	1.5	440
SWF1608LV-3R9	3.9	K	0.5V/7.9M	17	7.9	80	1.6	430
SWF1608LV-4R7	4.7	J,K	0.5V/7.9M	18	7.9	69	2.1	420
SWF1608LV-5R6	5.6	J,K	0.5V/7.9M	18	7.9	65	2.6	350
SWF1608LV-6R8	6.8	J,K	0.5V/7.9M	19	7.9	55	3.1	330
SWF1608LV-7R8	7.8	J,K	0.5V/7.9M	17	7.9	47	3.5	320
SWF1608LV-8R2	8.2	J,K	0.5V/7.9M	17	7.9	42	3.8	300
SWF1608LV-100	10	J,K	0.5V/7.9M	19	7.9	40	4.8	270

SWF 1608L Series (0603 inch -55~+125)

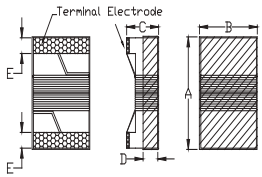
■ Impedance vs Frequency, DC Bias Characteristics (Typical)





SWF 1608C Series (0603 inch -55~+125)

■ Dimensions



Dimensions	
A	1.80 max.
B	1.20 max.
C	1.20 max.
D	0.38 ref.
E	0.35±0.10

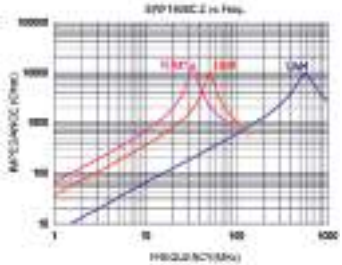
Units: mm

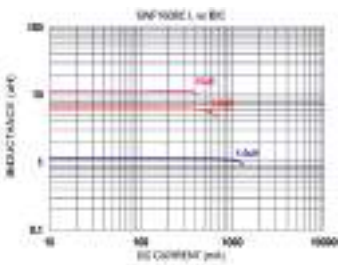
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DC Resistance (Ω) max.	Rated Current (mA) max.
SWF1608CV-47N□	0.047	0.5V/7.96M	10	7.96	1500	0.075	1400
SWF1608CV-R10□	0.10	0.5V/7.96M	10	7.96	1150	0.13	1400
SWF1608CV-R12□	0.12	0.5V/7.96M	10	7.96	1100	0.15	1400
SWF1608CV-R15□	0.15	0.5V/7.96M	10	7.96	1050	0.15	1300
SWF1608CV-R22□	0.22	0.5V/7.96M	10	7.96	800	0.15	950
SWF1608CV-R27□	0.27	0.5V/7.96M	10	7.96	775	0.20	710
SWF1608CV-R33□	0.33	0.5V/7.96M	10	7.96	725	0.35	620
SWF1608CV-R39□	0.39	0.5V/7.96M	10	7.96	620	0.39	600
SWF1608CV-R47□	0.47	0.5V/7.96M	10	7.96	540	0.43	570
SWF1608CV-R56□	0.56	0.5V/7.96M	10	7.96	525	0.47	550
SWF1608CV-R68□	0.68	0.5V/7.96M	10	7.96	460	0.52	470
SWF1608CV-R82□	0.82	0.5V/7.96M	10	7.96	410	0.69	400
SWF1608CV-1R0□	1.0	0.5V/7.96M	10	7.96	190	0.81	400
SWF1608CV-1R2□	1.2	0.5V/7.96M	10	7.96	160	0.87	370
SWF1608CV-1R5□	1.5	0.5V/7.96M	10	7.96	100	0.96	350
SWF1608CV-2R2□	2.2	0.5V/7.96M	10	7.96	68	1.20	320
SWF1608CV-3R3□	3.3	0.5V/7.96M	10	7.96	42	1.50	280
SWF1608CV-4R7□	4.7	0.5V/7.96M	10	7.96	34	2.10	260
SWF1608CV-6R8□	6.8	0.5V/7.96M	10	7.96	31	3.10	200
SWF1608CV-100□	10.0	0.5V/2.52M	10	2.52	25	4.80	180

□ : K=±10% , M=±20%

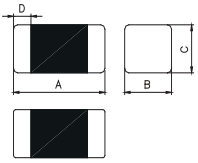
■ Impedance vs Frequency, DC Bias Characteristics (Typical)





FCI 2012 Series (0805 inch -55~+125)

■ Dimensions



Dimensions		
A	2.00±0.20	
B	1.25±0.20	
C	0.85±0.20	1.25±0.20
D	0.50±0.30	

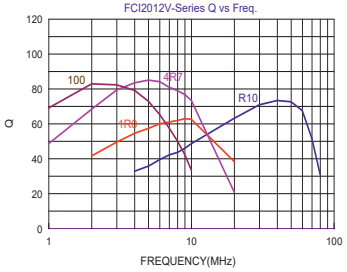
Units: mm

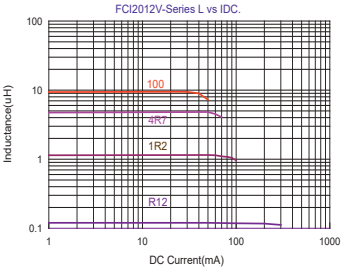
■ Specifications

Part Number	Thickness C Size(mm)	Inductance(uH)		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		Tolerance	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI2012V-47N□	0.85±0.20	0.047	60mV / 50M	15	50	300	0.20	320
FCI2012V-68N□	0.85±0.20	0.068	60mV / 50M	15	50	300	0.20	280
FCI2012V-82N□	0.85±0.20	0.082	60mV / 50M	15	50	300	0.20	255
FCI2012V-R10□	0.85±0.20	0.10	60mV / 25M	20	25	250	0.30	235
FCI2012V-R12□	0.85±0.20	0.12	60mV / 25M	20	25	250	0.30	220
FCI2012V-R15□	0.85±0.20	0.15	60mV / 25M	20	25	250	0.40	200
FCI2012V-R18□	0.85±0.20	0.18	60mV / 25M	20	25	250	0.40	185
FCI2012V-R22□	0.85±0.20	0.22	60mV / 25M	20	25	250	0.50	170
FCI2012V-R27□	0.85±0.20	0.27	60mV / 25M	20	25	250	0.50	150
FCI2012V-R33□	0.85±0.20	0.33	60mV / 25M	20	25	250	0.55	145
FCI2012V-R39□	0.85±0.20	0.39	60mV / 25M	25	25	200	0.65	135
FCI2012V-R47□	1.25±0.20	0.47	60mV / 25M	25	25	200	0.65	125
FCI2012V-R56□	1.25±0.20	0.56	60mV / 25M	25	25	150	0.75	115
FCI2012V-R68□	1.25±0.20	0.68	60mV / 25M	25	25	150	0.80	105
FCI2012V-1R0□	0.85±0.20	1.0	60mV / 10M	45	10	50	0.40	75
FCI2012V-1R5□	0.85±0.20	1.5	60mV / 10M	45	10	50	0.50	60
FCI2012V-1R8□	0.85±0.20	1.8	60mV / 10M	45	10	50	0.60	55
FCI2012V-2R2□	0.85±0.20	2.2	60mV / 10M	45	10	30	0.65	50
FCI2012V-2R7□	1.25±0.20	2.7	60mV / 10M	45	10	30	0.75	45
FCI2012V-3R3□	1.25±0.20	3.3	60mV / 10M	45	10	30	0.80	41
FCI2012V-4R7□	1.25±0.20	4.7	60mV / 10M	45	10	30	1.00	35
FCI2012V-100□	1.25±0.20	10.0	60mV / 2M	45	2	15	1.15	24

□: K=±10% , L=±15% , M=±20%

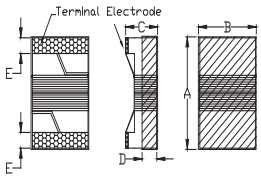
■ Q vs Frequency, DC Bias Characteristics (Typical)





SWF 2012C Series (0805 inch -55~+125)

■ Dimensions



Dimensions	
A	2.40 max.
B	1.60 max.
C	1.40 max.
D	0.51 ref.
E	0.44±0.10

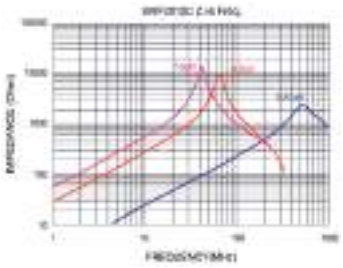
Units: mm

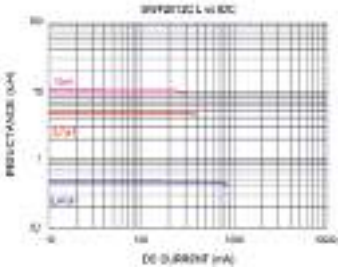
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DC Resistance (Ω) max.	Rated Current (mA) max.
SWF2012CV-R47□	0.47	0.5V/7.96M	10	7.96	720	0.20	750
SWF2012CV-R56□	0.56	0.5V/7.96M	10	7.96	665	0.21	730
SWF2012CV-R68□	0.68	0.5V/7.96M	10	7.96	565	0.28	670
SWF2012CV-1R0□	1.00	0.5V/7.96M	10	7.96	525	0.34	615
SWF2012CV-1R2□	1.20	0.5V/7.96M	10	7.96	473	0.39	550
SWF2012CV-1R5□	1.50	0.5V/7.96M	10	7.96	300	0.45	520
SWF2012CV-2R2□	2.20	0.5V/7.96M	10	7.96	215	0.67	420
SWF2012CV-3R3□	3.30	0.5V/7.96M	10	7.96	95	0.81	385
SWF2012CV-3R9□	3.90	0.5V/7.96M	10	7.96	57	0.88	372
SWF2012CV-4R7□	4.70	0.5V/7.96M	10	7.96	51	0.99	345
SWF2012CV-5R6□	5.60	0.5V/7.96M	10	7.96	44	1.06	335
SWF2012CV-6R8□	6.80	0.5V/7.96M	10	7.96	39	1.21	315
SWF2012CV-8R2□	8.20	0.5V/7.96M	10	7.96	33	1.33	295
SWF2012CV-100□	10.0	0.5V/2.52M	10	2.52	30	1.79	260
SWF2012CV-120□	12.0	0.5V/2.52M	10	2.52	27	1.98	250
SWF2012CV-150□	15.0	0.5V/2.52M	10	2.52	22	2.68	215
SWF2012CV-180□	18.0	0.5V/2.52M	10	2.52	20	3.12	195
SWF2012CV-220□	22.0	0.5V/2.52M	10	2.52	18	3.48	180
SWF2012CV-270□	27.0	0.5V/2.52M	10	2.52	16	3.84	170
SWF2012CV-330□	33.0	0.5V/2.52M	10	2.52	15	4.34	145

□ : K=±10% , M=±20%

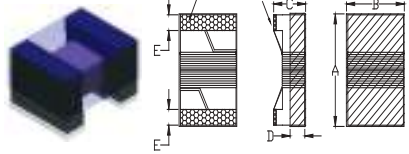
■ Impedance vs Frequency, DC Bias Characteristics (Typical)





SWF 2520C Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.90 max.
B	2.50 max.
C	2.10 max.
D	1.20 ref.
E	0.55±0.10

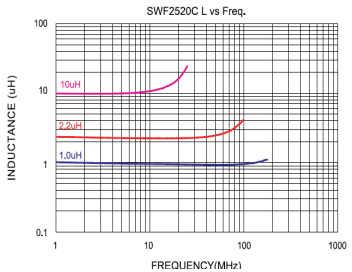
Units: mm

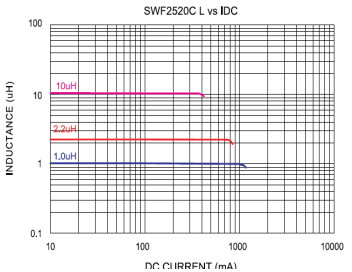
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DC Resistance (Ω) max.	Rated Current (mA) max.
SWF2520CV-1R0□	1.00	0.5V/7.96M	12	7.96	345	0.13	1000
SWF2520CV-1R5□	1.50	0.5V/7.96M	12	7.96	100	0.17	850
SWF2520CV-2R2□	2.20	0.5V/7.96M	12	7.96	78	0.21	775
SWF2520CV-3R3□	3.30	0.5V/7.96M	12	7.96	48	0.26	715
SWF2520CV-4R7□	4.70	0.5V/7.96M	12	7.96	46	0.52	505
SWF2520CV-6R8□	6.80	0.5V/7.96M	12	7.96	33	0.72	432
SWF2520CV-8R2□	8.20	0.5V/2.52M	12	2.52	30	0.76	410
SWF2520CV-100□	10.0	0.5V/2.52M	12	2.52	28	0.86	392
SWF2520CV-150□	15.0	0.5V/2.52M	12	2.52	21	1.09	342
SWF2520CV-220□	22.0	0.5V/2.52M	12	2.52	18	1.96	260
SWF2520CV-330□	33.0	0.5V/2.52M	12	2.52	15	2.47	236

□ : K=±10% , M=±20%

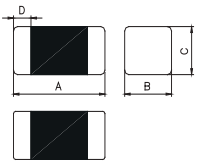
■ Impedance vs Frequency, DC Bias Characteristics (Typical)





FCI 3216 Series (1206 inch -55~+125)

■ Dimensions



Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.30
D	0.50±0.30

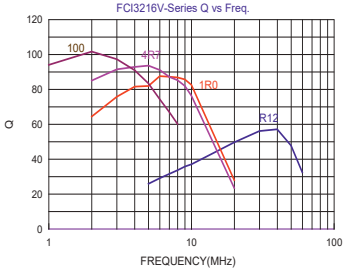
Units: mm

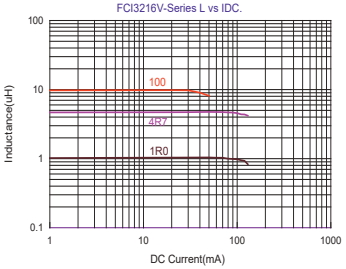
■ Specifications

Part Number	Inductance(uH)		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	Tolerance	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI3216V-47N□	0.047	60mV / 50M	20	50	300	0.15	320
FCI3216V-68N□	0.068	60mV / 50M	20	50	300	0.25	280
FCI3216V-R10□	0.10	60mV / 25M	20	25	250	0.25	235
FCI3216V-R12□	0.12	60mV / 25M	20	25	250	0.30	220
FCI3216V-R15□	0.15	60mV / 25M	20	25	250	0.30	200
FCI3216V-R18□	0.18	60mV / 25M	20	25	250	0.40	185
FCI3216V-R22□	0.22	60mV / 25M	20	25	250	0.40	170
FCI3216V-R27□	0.27	60mV / 25M	20	25	250	0.50	150
FCI3216V-R33□	0.33	60mV / 25M	20	25	250	0.50	145
FCI3216V-R39□	0.39	60mV / 25M	25	25	250	0.60	135
FCI3216V-R47□	0.47	60mV / 25M	25	25	200	0.60	125
FCI3216V-R56□	0.56	60mV / 25M	25	25	200	0.70	115
FCI3216V-R68□	0.68	60mV / 25M	25	25	150	0.80	105
FCI3216V-R82□	0.82	60mV / 25M	25	25	150	0.90	100
FCI3216V-1R0□	1.0	60mV / 10M	45	10	100	0.40	75
FCI3216V-1R2□	1.2	60mV / 10M	45	10	100	0.50	65
FCI3216V-1R5□	1.5	60mV / 10M	45	10	50	0.50	60
FCI3216V-2R2□	2.2	60mV / 10M	45	10	50	0.60	50
FCI3216V-3R3□	3.3	60mV / 10M	45	10	50	0.70	41
FCI3216V-4R7□	4.7	60mV / 10M	45	10	50	0.90	35
FCI3216V-100□	10.0	60mV / 2M	50	2	25	1.00	24

□: K=±10% , L=±15% , M=±20%

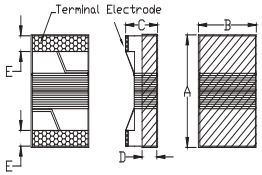
■ Q vs Frequency, DC Bias Characteristics (Typical)





SWF 3225C Series (1210 inch -55~+125)

■ Dimensions



Dimensions	
A	3.60 max.
B	2.80 max.
C	2.60 max.
D	0.80 ref.
E	0.55±0.10

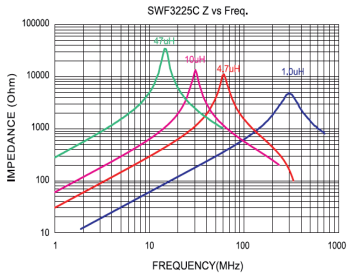
Units: mm

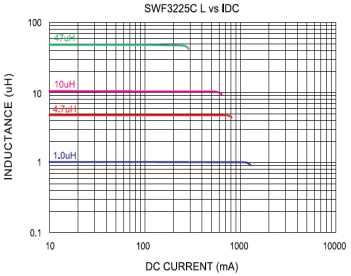
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF3225CV-1R0□	1.00	0.5V/7.96M	10	7.96	290	0.12	1200
SWF3225CV-1R5□	1.50	0.5V/7.96M	10	7.96	260	0.13	1000
SWF3225CV-2R2□	2.20	0.5V/7.96M	10	7.96	190	0.17	880
SWF3225CV-3R3□	3.30	0.5V/7.96M	10	7.96	64	0.22	775
SWF3225CV-4R7□	4.70	0.5V/7.96M	10	7.96	54	0.26	710
SWF3225CV-6R8□	6.80	0.5V/7.96M	10	7.96	34	0.30	660
SWF3225CV-100□	10.0	0.5V/2.52M	10	2.52	25	0.39	570
SWF3225CV-150□	15.0	0.5V/2.52M	10	2.52	17	0.66	440
SWF3225CV-220□	22.0	0.5V/2.52M	10	2.52	16	0.82	400
SWF3225CV-330□	33.0	0.5V/2.52M	10	2.52	12	1.50	285
SWF3225CV-390□	39.0	0.5V/2.52M	10	2.52	12	1.66	270
SWF3225CV-470□	47.0	0.5V/2.52M	10	2,52	10	1.90	260
SWF3225CV-680□	68.0	0.5V/2.52M	10	2.52	9.0	2.29	235
SWF3225CV-101□	100.0	0.5V/1M	10	1.00	7.0	3.48	190
SWF3225CV-151□	150.0	0.5V/1M	10	1.00	5.0	6.55	140
SWF3225CV-221□	220.0	0.5V/1M	10	1.00	4.0	8.23	115
SWF3225CV-331□	330.0	0.5V/1M	10	1.00	2.8	13.7	98
SWF3225CV-471□	470.0	0.5V/1M	10	1.00	2.6	18.1	86
SWF3225CV-681□	680.0	0.5V/1M	10	1.00	2.3	22.0	76

□ : K=±10% , M=±20%

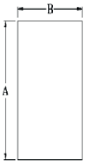
■ Impedance vs Frequency, DC Bias Characteristics (Typical)

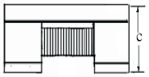




APO 3225 Series (1210 inch -55~+125)

■ Dimensions





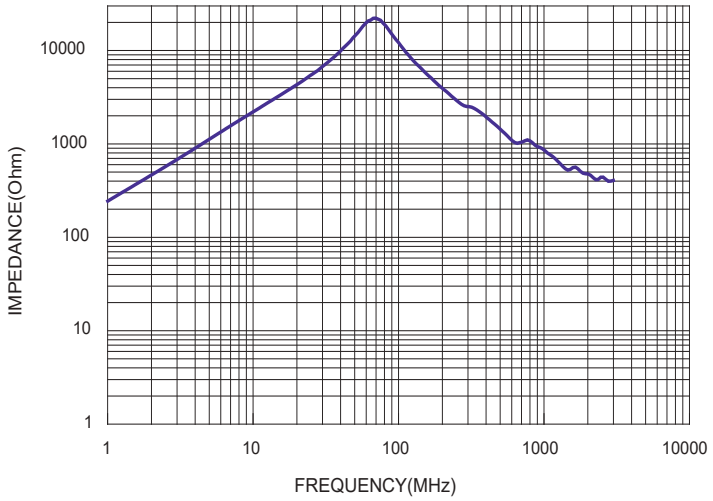
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.40±0.20

unit: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Isat (mA) typ.	Irms (mA) typ.	DCR (Ω) max.
APO3225DV-470M	47.0	M	0.1V/100K	300	500	0.9

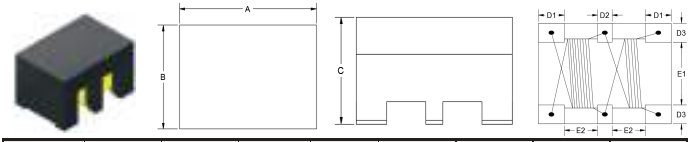
APO3225DV-470M Z vs Freq.



TXF 4632W

(1812 inch -40~+85)

■ Dimensions



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	D3(mm)	E1(mm)	E2(mm)
TXF4632	4.60±0.20	3.20±0.20	2.90 Max	0.90±0.2	0.50±0.10	0.60±0.20	2.00±0.20	1.15±0.15

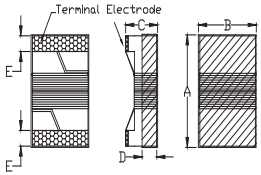
Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH) (DC bias 0mA) ①to② : ④to⑤		Test Frequency (Hz/V)	Insertion loss	Cp Capacitance (pF) ③to⑥	Turns ratio ①to② : ④to⑤
TXF463229NV-181-W	200 Typ.	170 Min.	100K/0.1	1-100MHZ -2.5 dB Typ. -1.1 dB Max	13 pF(typ.)	1:1

SWI 0603 Series (0603 inch -55~+125)

■ Dimensions



Dimensions	
A	1.80 max.
B	1.20 max.
C	1.20 max.
D	0.38 ref.
E	0.35±0.10

Units: mm

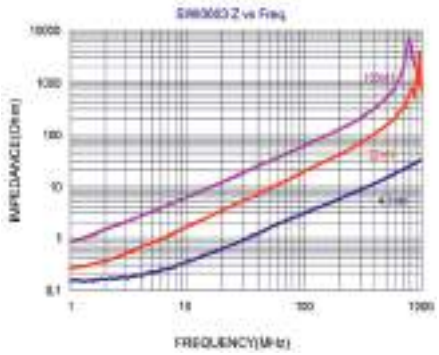
■ Specifications

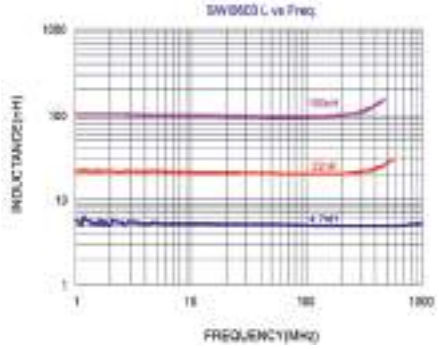
Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz min.	Rated Current (mA)	DCR (Ω) max.	SRF (MHz) min.
SWI0603V-2N0□	2.0	C,S	0.1V/250M	13	700	0.07	8000
SWI0603V-3N9□	3.9	C,S	0.1V/250M	22	700	0.07	6900
SWI0603V-4N7□	4.7	C,J,K	0.1V/250M	20	700	0.12	5800
SWI0603V-6N8□	6.8	C,J,K	0.1V/250M	27	700	0.08	5800
SWI0603V-8N2□	8.2	C,J,K	0.1V/250M	30	700	0.13	4200
SWI0603V-10N□	10	J,K	0.1V/250M	31	700	0.13	4800
SWI0603V-12N□	12	J,K	0.1V/250M	35	700	0.13	4000
SWI0603V-15N□	15	J,K	0.1V/250M	35	700	0.13	4000
SWI0603V-18N□	18	J,K	0.1V/250M	35	700	0.16	3100
SWI0603V-22N□	22	J,K	0.1V/250M	38	700	0.23	3000
SWI0603V-24N□	24	J,K	0.1V/250M	38	700	0.13	2800
SWI0603V-27N□	27	J,K	0.1V/250M	40	600	0.14	2800
SWI0603V-33N□	33	J,K	0.1V/250M	40	600	0.22	2300
SWI0603V-39N□	39	J	0.1V/250M	40	600	0.30	2200
SWI0603V-47N□	47	J,K	0.1V/200M	38	600	0.35	2000
SWI0603V-56N□	56	J,K	0.1V/200M	38	600	0.37	1900
SWI0603V-68N□	68	J,K	0.1V/200M	37	600	0.43	1700
SWI0603V-72N□	72	J,K	0.1V/150M	34	400	0.42	1700
SWI0603V-82N□	82	J,K	0.1V/150M	34	400	0.71	1700
SWI0603V-R10□	100	J,K	0.1V/150M	34	400	0.78	1400
SWI0603V-R12□	120	J,K	0.1V/150M	32	300	0.84	1300
SWI0603V-R15□	150	J,K	0.1V/150M	28	280	0.96	990
SWI0603V-R18□	180	J,K	0.1V/100M	25	240	1.52	990
SWI0603V-R22□	220	J,K	0.1V/100M	25	200	2.02	900
SWI0603V-R27□	270	J,K	0.1V/100M	24	170	2.36	900
SWI0603V-R33□	330	J,K	0.1V/100M	24	185	3.40	700
SWI0603V-R39□	390	J,K	0.1V/100M	24	100	3.60	900

□ : C=±0.2nH , S=±0.3nH , J=±5% , K=±10%

SWI 0603 Series (0603 inch -55~+125)

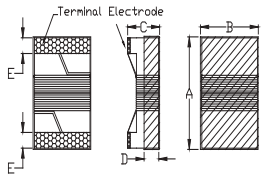
■ Impedance vs Frequency, DC Bias Characteristics (Typical)





SWI 0805U Series (0805 inch -55~+125)

■ Dimensions



Dimensions	
A	2.29 max.
B	1.73 max.
C	1.52 max.
D	0.51 ref.
E	0.44±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA)	DCR (Ω) max.	SRF (MHz) min.
SWI0805UV-2N8□	2.8	C,S	0.1V/250M	80/1500	800	0.06	7900
SWI0805UV-3N0□	3.0	C,S	0.1V/250M	65/1500	800	0.06	7900
SWI0805UV-3N3□	3.3	C,S	0.1V/250M	50/1500	600	0.08	7900
SWI0805UV-5N6□	5.6	C,S	0.1V/250M	65/1000	600	0.08	5500
SWI0805UV-6N8□	6.8	C,J	0.1V/250M	50/1000	600	0.11	5500
SWI0805UV-7N5□	7.5	C,J	0.1V/250M	50/1000	600	0.14	4500
SWI0805UV-8N2□	8.2	C,J	0.1V/250M	50/1000	600	0.12	4700
SWI0805UV-10N□	10	G,J	0.1V/250M	60/500	600	0.10	4200
SWI0805UV-12N□	12	G,J	0.1V/250M	50/500	600	0.15	4000
SWI0805UV-15N□	15	G,J	0.1V/250M	50/500	600	0.17	3400
SWI0805UV-18N□	18	G,J	0.1V/250M	50/500	600	0.20	3300
SWI0805UV-22N□	22	G,J	0.1V/250M	55/500	500	0.22	2600
SWI0805UV-24N□	24	G,J	0.1V/250M	50/500	500	0.22	2000
SWI0805UV-27N□	27	G,J	0.1V/250M	55/500	500	0.25	2500
SWI0805UV-33N□	33	G,J	0.1V/250M	60/500	500	0.27	2050
SWI0805UV-36N□	36	G,J	0.1V/250M	55/500	500	0.27	1700
SWI0805UV-39N□	39	G,J	0.1V/250M	60/500	500	0.29	2000
SWI0805UV-43N□	43	G,J	0.1V/200M	60/500	500	0.34	1650
SWI0805UV-47N□	47	G,J	0.1V/200M	60/500	500	0.31	1650
SWI0805UV-56N□	56	G,J	0.1V/200M	60/500	500	0.34	1550
SWI0805UV-68N□	68	G,J	0.1V/200M	60/500	500	0.38	1450
SWI0805UV-82N□	82	G,J	0.1V/150M	65/500	400	0.42	1300
SWI0805UV-91N□	91	G,J	0.1V/150M	65/500	400	0.48	1200
SWI0805UV-R10□	100	G,J	0.1V/150M	65/500	400	0.46	1200
SWI0805UV-R11□	110	G,J	0.1V/150M	50/250	400	0.48	1000
SWI0805UV-R12□	120	G,J	0.1V/150M	50/250	400	0.51	1100
SWI0805UV-R15□	150	G,J	0.1V/100M	50/250	400	0.56	920
SWI0805UV-R18□	180	G,J	0.1V/100M	50/250	400	0.64	870
SWI0805UV-R20□	200	G,J	0.1V/100M	50/250	400	0.68	860
SWI0805UV-R22□	220	G,J	0.1V/100M	50/250	400	0.70	850
SWI0805UV-R24□	240	G,J	0.1V/100M	44/250	350	1.00	690
SWI0805UV-R25□	250	G,J	0.1V/100M	45/250	350	1.20	660

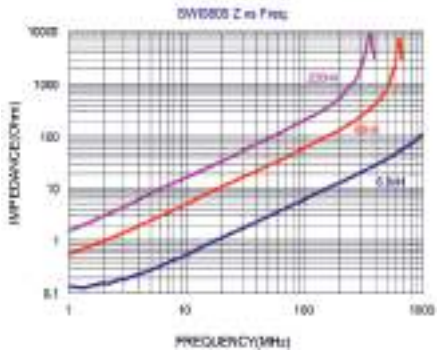
SWI 0805U Series (0805 inch -55~+125)

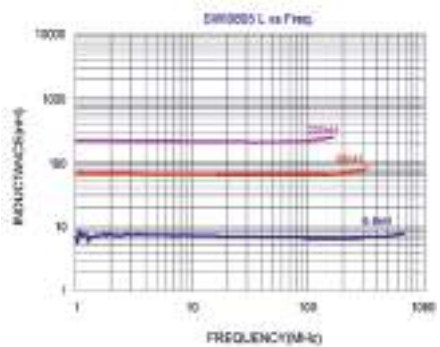
■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA)	DCR (Ω) max.	SRF (MHz) min.
SWI0805UV-R27□	270	G,J	0.1V/100M	48/250	350	1.00	650
SWI0805UV-R33□	330	G,J	0.1V/100M	48/250	310	1.40	600
SWI0805UV-R39□	390	G,J	0.1V/100M	48/250	290	1.50	560
SWI0805UV-R47□	470	G,J	0.1V/50M	33/100	250	1.70	375
SWI0805UV-R56□	560	G,J	0.1V/25M	23/50	230	1.90	340
SWI0805UV-R62□	620	G,J	0.1V/25M	23/50	210	2.20	220
SWI0805UV-R68□	680	G,J	0.1V/25M	23/50	190	2.20	188
SWI0805UV-R82□	820	G,J	0.1V/25M	23/50	180	2.35	215
SWI0805UV-1R0□	1000	G,J	0.1V/25M	20/50	170	2.5	100
SWI0805UV-1R2□	1200	G,J	0.1V/7.9M	18/25	170	2.5	100

□ : C=±0.2nH , S=±0.3nH , G=±2% , J=±5% , K=±10%

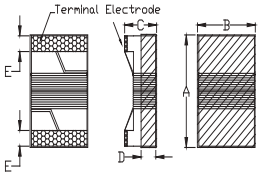
■ Impedance vs Frequency, DC Bias Characteristics (Typical)





SWI 1008U Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.92 max.
B	2.79 max.
C	2.20 max.
D	1.20 ref.
E	0.55±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA)	DCR (Ω) max.	SRF (MHz) min.
SWI1008UV-10N□	10	G, J, K	0.1V/50M	50/500	1000	0.08	4100
SWI1008UV-12N□	12	G, J, K	0.1V/50M	50/500	1000	0.09	3300
SWI1008UV-15N□	15	G, J, K	0.1V/50M	50/500	1000	0.18	2500
SWI1008UV-18N□	18	G, J, K	0.1V/50M	50/350	1000	0.11	2500
SWI1008UV-22N□	22	G, J, K	0.1V/50M	55/350	1000	0.12	2400
SWI1008UV-27N□	27	G, J, K	0.1V/50M	55/350	1000	0.13	1600
SWI1008UV-33N□	33	G, J, K	0.1V/50M	60/350	1000	0.14	1600
SWI1008UV-39N□	39	G, J, K	0.1V/50M	60/350	1000	0.15	1500
SWI1008UV-47N□	47	G, J, K	0.1V/50M	65/350	1000	0.16	1500
SWI1008UV-56N□	56	G, J,K	0.1V/50M	65/350	1000	0.18	1300
SWI1008UV-68N□	68	G, J,K	0.1V/50M	65/350	1000	0.20	1300
SWI1008UV-82N□	82	G, J,K	0.1V/50M	60/350	1000	0.22	1000
SWI1008UV-R10□	100	G, J,K	0.1V/25M	60/350	650	0.56	1000
SWI1008UV-R12□	120	G, J,K	0.1V/25M	60/350	650	0.63	950
SWI1008UV-R15□	150	G, J,K	0.1V/25M	45/100	580	0.70	850
SWI1008UV-R18□	180	G, J,K	0.1V/25M	45/100	620	0.77	750
SWI1008UV-R22□	220	G, J,K	0.1V/25M	45/100	500	0.84	700
SWI1008UV-R27□	270	G, J,K	0.1V/25M	45/100	500	0.91	600
SWI1008UV-R33□	330	G, J,K	0.1V/25M	45/100	450	1.05	570
SWI1008UV-R39□	390	G, J,K	0.1V/25M	45/100	470	1.12	500
SWI1008UV-R47□	470	G, J,K	0.1V/25M	45/100	470	1.19	450
SWI1008UV-R56□	560	G, J,K	0.1V/25M	45/100	400	1.33	415
SWI1008UV-R62□	620	G, J,K	0.1V/25M	45/100	300	1.40	375
SWI1008UV-R68□	680	G, J,K	0.1V/25M	45/100	400	1.47	375
SWI1008UV-R75□	750	G, J,K	0.1V/25M	45/100	360	1.54	360
SWI1008UV-R82□	820	G, J,K	0.1V/25M	45/100	400	1.61	350
SWI1008UV-R91□	910	G, J,K	0.1V/25M	35/50	380	1.68	320
SWI1008UV-1R0□	1000	G, J,K	0.1V/25M	35/50	370	1.75	290
SWI1008UV-1R2□	1200	G, J,K	0.1V/7.9M	35/50	310	2.00	250
SWI1008UV-1R5□	1500	G, J,K	0.1V/7.9M	28/50	330	2.23	200
SWI1008UV-1R8□	1800	G, J,K	0.1V/7.9M	28/50	300	2.60	160
SWI1008UV-2R2□	2200	G, J,K	0.1V/7.9M	28/50	280	2.80	160

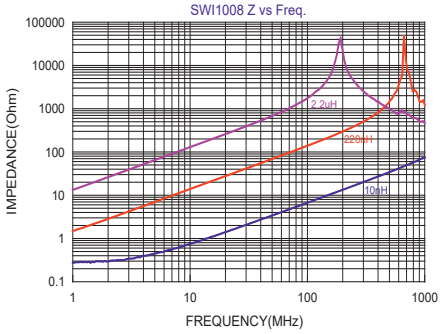
SWI 1008U Series (1008 inch -55~+125)

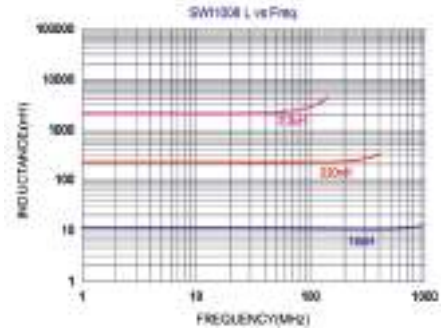
■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA)	DCR (Ω) max.	SRF (MHz) min.
SWI1008UV-2R7□	2700	G, J,K	0.1V/7.9M	22/25	290	3.20	140
SWI1008UV-3R3□	3300	G, J,K	0.1V/7.9M	22/25	290	3.40	110
SWI1008UV-3R9□	3900	G, J,K	0.1V/7.9M	20/25	260	3.6	100
SWI1008UV-4R7□	4700	G, J,K	0.1V/7.9M	18/7.9	200	4.0	32
SWI1008UV-5R6□	5600	G, J,K	0.1V/7.9M	18/7.9	200	4.0	25
SWI1008UV-6R8□	6800	G, J,K	0.1V/7.9M	18/7.9	200	4.9	21
SWI1008UV-8R2□	8200	G, J,K	0.1V/7.9M	16 /7.9	170	6.0	16
SWI1008UV-100□	10000	G, J,K	0.1V/2.52M	15/7.9	170	8.0	14

□ : G=±2% , J=±5% , K=±10%

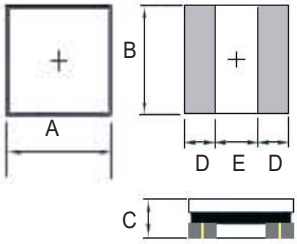
■ Impedance vs Frequency, DC Bias Characteristics (Typical)





PAS 2016 Series (0808 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.50 max.
D	0.60 ref.
E	0.80 ref.

Units: mm

■ Specifications

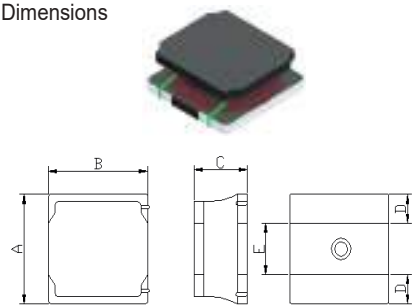
Part Number	Inductance (uH) ±20%	Test Frequency (Hz)	SRF MHz (min)	RDC(Ω) Max.	Rated current (mA) Max.
PAS201615V-102M	1000	0.1V/10K	4	38	20

Note:

1. Test frequency : Inductor(L) : 10KHz /0.1V;
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately △t of 20℃ .

PAS 3010 Series (1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.00 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

■ Specifications

Part Number	Inductance (uH) ±10%	Test Frequency (Hz)	SRF MHz (min)	DC Resistance (Ω) max.	Rated current (mA) max.
PAS3010EV-281K	280	10K	8.5	17.8	50

Note:

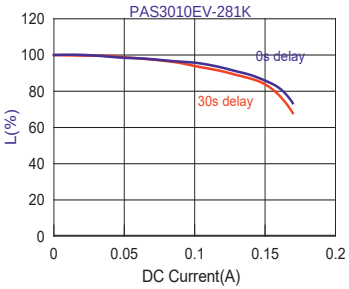
1.Test frequency : Inductor(L) : 10KHz /1V;

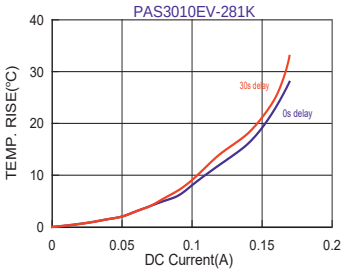
2. All test data referenced to 25℃ ambient.

3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A

4. Rated Current (Irms) will cause the coil temperature rise approximately △t of 20℃ ..

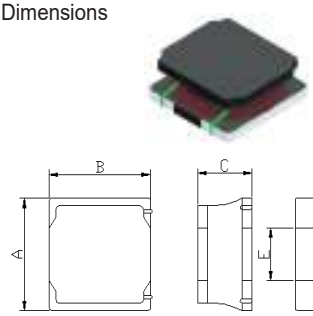
■ DC Bias Characteristics (Typical)





PAS 3012 Series (1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.20 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

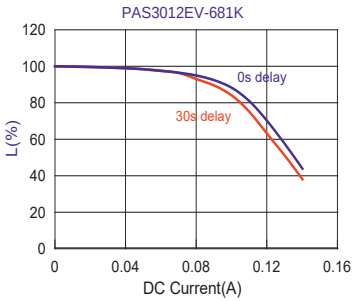
■ Specifications

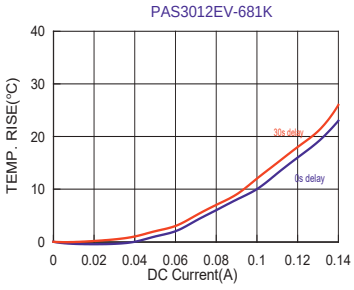
Part Number	Inductance (uH)	Test Frequency (Hz)	SRF MHz (Typ)	DC Resistance (Ω) max.	Rated current (mA) max.
PAS3012EV-681K	680	10K	5.0	22	80

Note:

1. Test frequency : Inductor(L) : 10KHz /0.1V;
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately Δt of 20℃ .

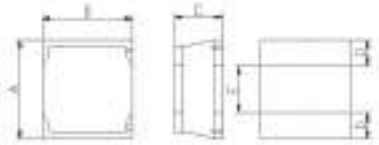
■ DC Bias Characteristics (Typical)





PAS 3015 Series (1212 inch -55~+125)

■ Dimensions



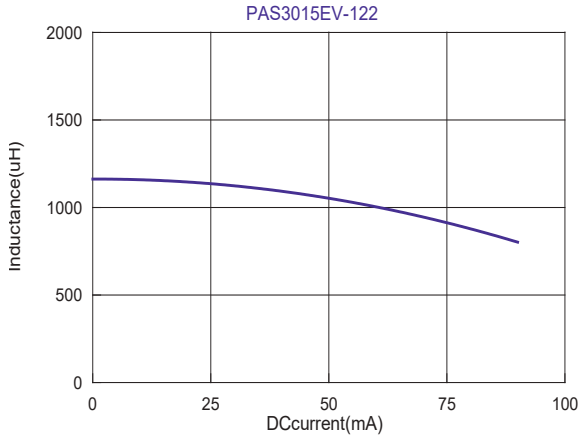
Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.50 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

■ Specifications

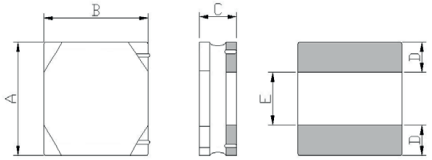
Part Number	Inductance (uH)	Test Frequency (Hz)	SRF MHz (min)	RDC(Ω) Max.	Rated current (mA) Max.
PAS3015EV-122K	1200±10%	1V/10K	2.45	39.0	80

■ DC Bias Characteristics (Typical)



PAS 4018 Series (1616 inch -55~+125)

■ Dimensions



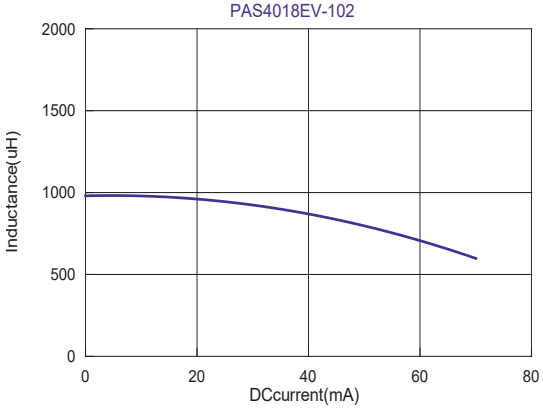
Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80 max.
D	1.20 ref.
E	1.60 ref.

Units: mm

■ Specifications

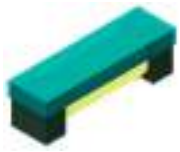
Part Number	Inductance (uH)	Test Frequency (Hz)	SRF MHz (min)	RDC(Ω) Max.	Rated current (mA) Max.
PAS4018EV-102M	1000±20%	1V/100K	3.00	13.0	60

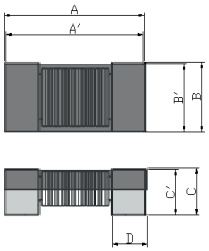
■ DC Bias Characteristics (Typical)



PAS 4420 Series (1808 inch -55~+125)

■ Dimensions





Dimensions	
A	4.55±0.25
A'	4.2±0.2
B	2.2±0.25
B'	1.80±0.2
C	2.0±0.2
C'	1.80±0.2
D	0.98 ref.

Units: mm

■ Specifications

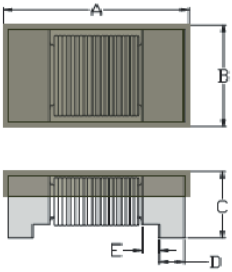
Part Number	Inductance (uH) ±10%	f_{L0} (kHz)	SRF MHz(min)	RDC (Ω) max.	Rated Current (mA) max.
PAS4420V-352K-F10-DS	3500	10	1.00	85	20
PAS4420V-492K-F10-DS	4900	10	0.65	109	20

Note:

1. Test frequency : Inductor(L) : 10KHz /0.1V;
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately △t of 20℃ .

PAS 6420 Series (2508 inch -55~+125)

■ Dimensions



Dimensions	
A	6.40±0.30
B	2.30±0.20
C	1.80±0.20
D	0.90 ref.
E	0.50 ref.

Units: mm

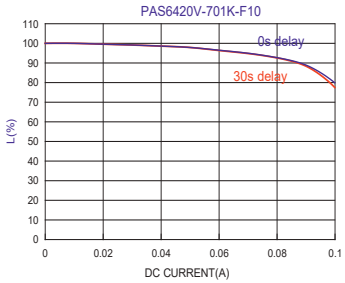
■ Specifications

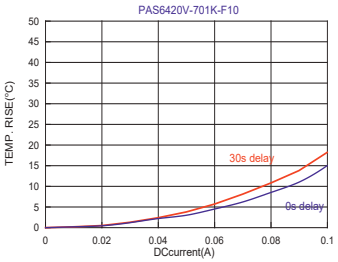
Part Number	Inductance (uH) ±10%	Test Frequency (KHz)	SRF Hz(min)	DC Resistance (Ω) ±10%	Rated Current (mA) max.
PAS6420V-701K-F10	700	10	2.45M	12	80
PAS6420V-532K-F10	5300	10	510K	66	30
PAS6420V-722K-F10	7200	10	450K	130	15

Note:

1. Test frequency : Inductor(L) : 10KHz /0.1V;
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately △t of 20℃ .

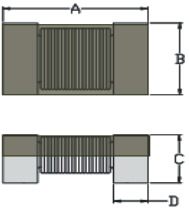
■ DC Bias Characteristics (Typical)





PAS 8027 Series (3211 inch -55~+125)

■ Dimensions



Dimensions	
A	7.85 max
B	2.70 max
C	2.70 max
D	1.15 ref.

Units: mm

■ Specifications

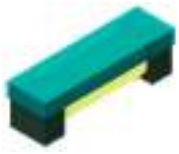
Part Number	Inductance (mH) ±5%	Test Frequency (Hz)	Q Typ.	RDC (Ω) max	Rated current (mA) max.
PAS8027V-452J	4.5	125K	30	80	20
PAS8027V-492J	4.9	125K	30	85	20
PAS8027V-722J	7.2	125K	35	105	20
PAS8027V-193J	18.52	125K	35	240	20

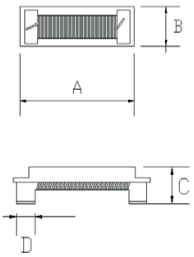
Note:

1. Test frequency : Inductor(L) : 125KHz /0.1V;
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately △t of 20℃ .

PAS 1225 Series (4814 inch -55~+125)

■ Dimensions





Dimensions	
A	11.60±0.30
B	3.80±0.30
C	2.50±0.30
D	1.50 ref.

Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Currnt (mA) max.	DC Resistance (Ω) max.	SRF (MHz) min.
PAS1225V-101K	100±10%	0.1V/125K	300	3.0	20
PAS1225V-232M	2300±20%	0.1V/125K	50	40	0.48
PAS1225V-492J	4900±5%	0.1V/125K	50	50	0.34
PAS1225V-722J	7200±5%	0.1V/125K	50	40	0.30

Note:

1. All test data referenced to 25℃ ambient.
2. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
3. Rated Current (Irms) will cause the coil temperature rise approximately △t of 20℃ .

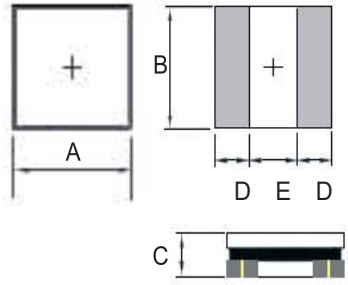
Power Inductors / Chokes

■ Power Inductors

HPC Series
UHP Series
DFP Series
FPI Series
AHP Series
TMHC Series
TMPC Series
TMPF Series
TMPA Series
TMPV Series
TBMA Series

DFP 201208B Series (0805 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00-0.20/+0.20
B	1.20-0.20/+0.20
C	0.80 max.
D	0.50 ref.
E	1.00 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
DFP201208BV-R24M	0.24	±20	1V/1M	0.040	0.048	2.30	2.00	2.50	2.20
DFP201208BV-R47M	0.47	±20	1V/1M	0.050	0.060	1.80	1.50	2.00	1.70
DFP201208BV-R68M	0.68	±20	1V/1M	0.070	0.084	1.30	1.10	1.50	1.20
DFP201208BV-1R0M	1.0	±20	1V/1M	0.125	0.150	1.00	0.85	1.10	1.00
DFP201208BV-1R5M	1.5	±20	1V/1M	0.200	0.240	0.90	0.80	1.00	0.90
DFP201208BV-2R2M	2.2	±20	1V/1M	0.300	0.360	0.70	0.60	0.80	0.70
DFP201208BV-3R3M	3.3	±20	1V/1M	0.380	0.450	0.65	0.55	0.70	0.65
DFP201208BV-4R7M	4.7	±20	1V/1M	0.550	0.660	0.50	0.45	0.60	0.55
DFP201208BV-6R8M	6.8	±20	1V/1M	0.800	0.960	0.45	0.40	0.50	0.40
DFP201208BV-100M	10.0	±20	1V/1M	1.100	0.130	0.35	0.30	0.40	0.35

Note:

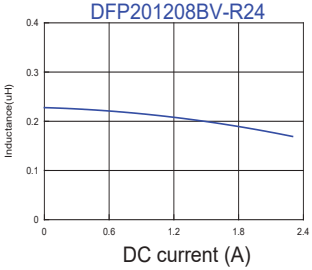
Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃.）Max

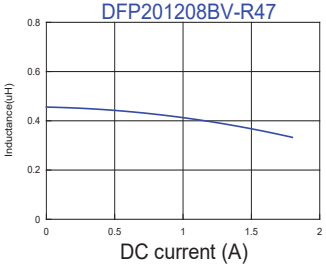
DFP 201208B Series (0805 inch -55~+125)

■ DC Bias Characteristics (Typical)

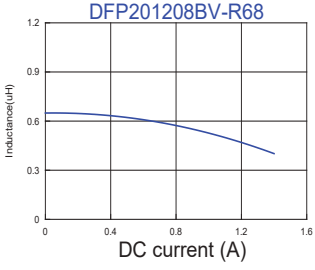
DFP201208BV-R24



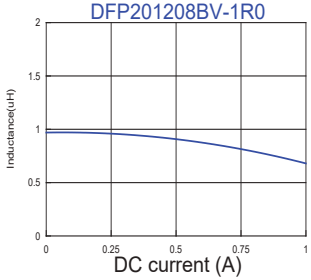
DFP201208BV-R47



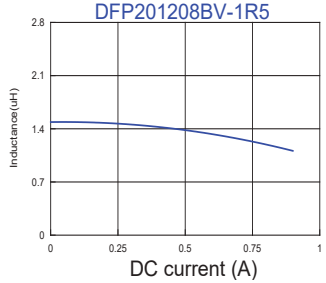
DFP201208BV-R68



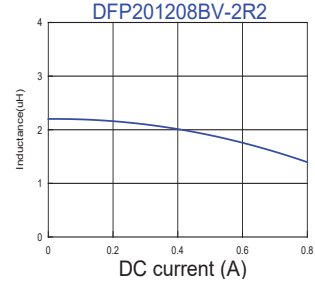
DFP201208BV-1R0



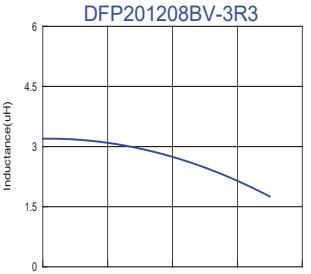
DFP201208BV-1R5



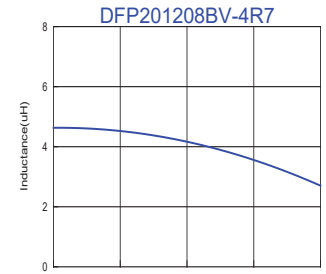
DFP201208BV-2R2



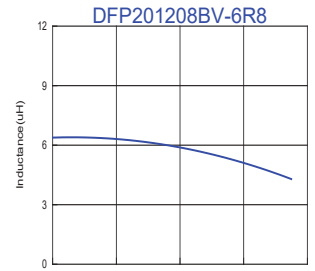
DFP201208BV-3R3



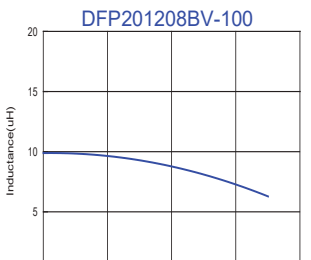
DFP201208BV-4R7



DFP201208BV-6R8

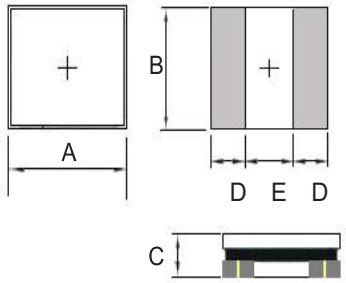


DFP201208BV-100



DFP 201210B Series (0805 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00-0.20/+0.20
B	1.20-0.20/+0.20
C	1.00 max.
D	0.50 ref.
E	1.00 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
DFP201210BV-R24M	0.24	±20	1V/1M	0.025	0.030	3.00	2.50	3.20	2.70
DFP201210BV-R33M	0.33	±20	1V/1M	0.035	0.042	2.40	2.00	2.50	2.20
DFP201210BV-R47M	0.47	±20	1V/1M	0.048	0.058	1.90	1.60	2.00	1.70
DFP201210BV-R68M	0.68	±20	1V/1M	0.065	0.078	1.60	1.30	1.70	1.40
DFP201210BV-1R0M	1.0	±20	1V/1M	0.080	0.096	1.30	1.10	1.40	1.20
DFP201210BV-1R5M	1.5	±20	1V/1M	0.110	0.130	1.05	095	1.10	1.00
DFP201210BV-2R2M	2.2	±20	1V/1M	0.210	0.250	1.00	0.90	0.95	0.90
DFP201210BV-3R3M	3.3	±20	1V/1M	0.330	0.400	0.80	0.70	0.85	0.75
DFP201210BV-4R7M	4.7	±20	1V/1M	0.440	0.530	0.60	0.55	0.70	0.60
DFP201210BV-6R8M	6.8	±20	1V/1M	0.680	0.800	0.55	0.50	0.50	0.40
DFP201210BV-100M	10.0	±20	1V/1M	1.200	1.440	0.45	0.40	0.40	0.30

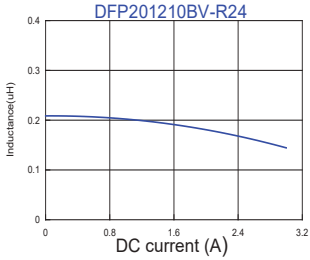
Note:

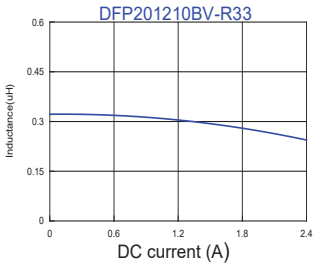
Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

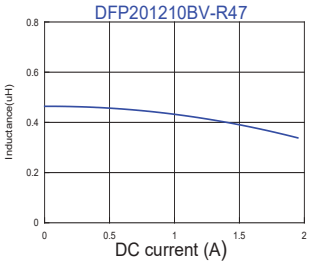
Irms：Based on temperature rise （ΔT：40℃.）Max

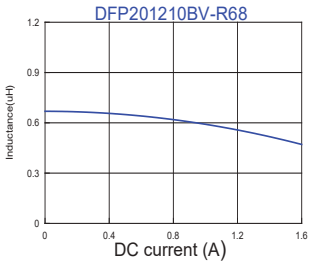
DFP 201210B Series (0805 inch -55~+125)

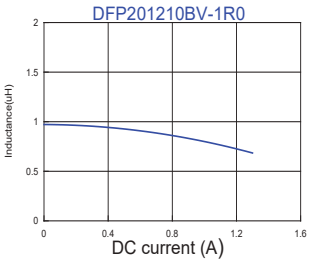
■ DC Bias Characteristics (Typical)

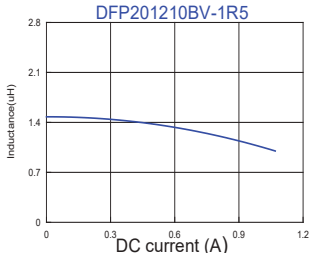


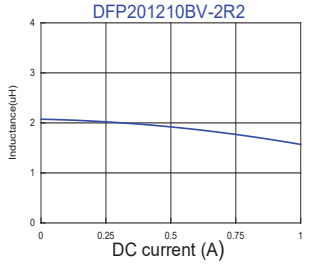


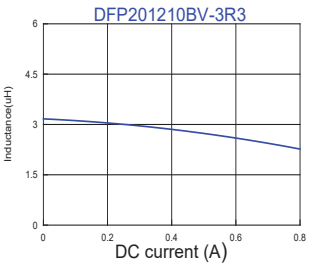


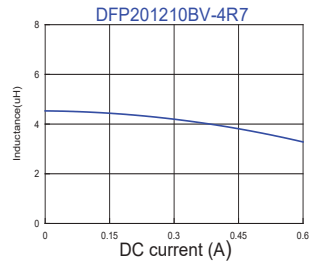


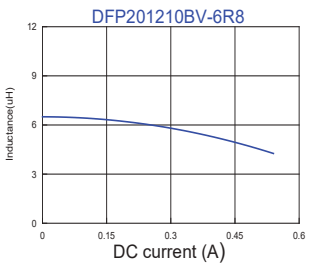


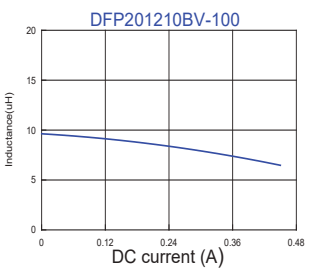






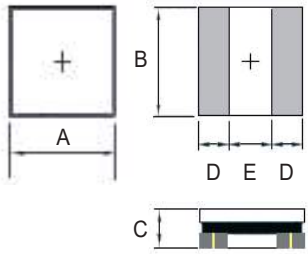






UHP 201610N Series (0806 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	1.00 max.
D	0.60 ref.
E	0.80 ref.

Units: mm

■ Specifications

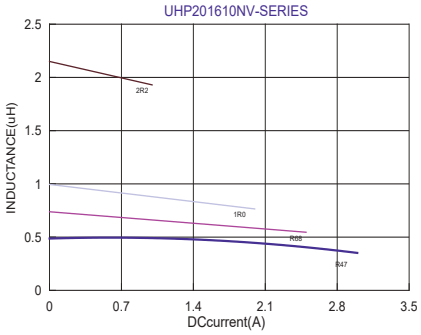
Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I sat (A) Max.	I rms (A) typ.	I rms (A) Max.
UHP201610NV-R47Y	0.47±30%	0.1V/1M	0.044	3.00	2.70	2.60	2.35
UHP201610NV-R68Y	0.68±30%	0.1V/1M	0.062	2.45	2.00	2.25	2.05
UHP201610NV-1R0Y	1.0±30%	0.1V/1M	0.080	1.95	1.80	1.75	1.60
UHP201610NV-1R5Y	1.5±30%	0.1V/1M	0.130	1.65	1.46	1.40	1.26
UHP201610NV-2R2M	2.2±20%	0.1V/1M	0.145	1.45	1.26	1.35	1.20
UHP201610NV-3R3M	3.3±20%	0.1V/1M	0.245	1.05	0.90	1.05	0.95
UHP201610NV-4R7M	4.7±20%	0.1V/1M	0.360	0.85	0.77	1.00	0.90
UHP201610NV-6R8M	6.8±20%	0.1V/1M	0.500	0.80	0.72	0.70	0.55
UHP201610NV-100M	10±20%	0.1V/1M	0.720	0.62	0.55	0.50	0.45
UHP201610NV-150M	15±20%	0.1V/1M	1.400	0.50	0.45	0.40	0.36
UHP201610NV-180M	18±20%	0.1V/1M	1.800	0.45	0.40	0.38	0.34
UHP201610NV-220M	22±20%	0.1V/1M	2.000	0.43	0.38	0.30	0.27

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

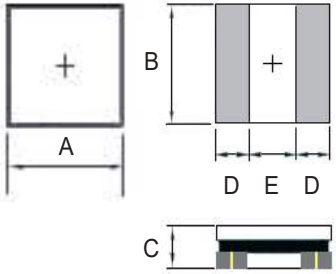
Irms：Based on temperature rise （ΔT：40℃.）

■ DC Bias Characteristics (Typical)



DFP 201610T Series (0806 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	1.00 max.
D	0.60 ref.
E	0.80 ref.

Units: mm

■ Specifications

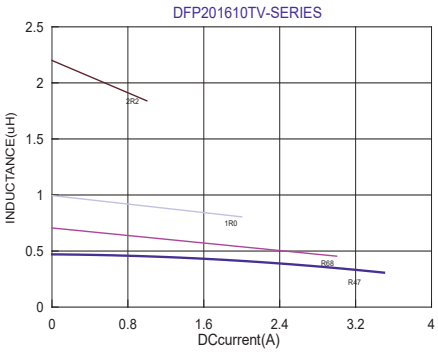
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
DFP201610TV-R24M	0.24	±20%	0.1V/1M	0.023	0.028	5.10	4.50	4.40	3.90
DFP201610TV-R33M	0.33	±20%	0.1V/1M	0.031	0.040	3.90	3.50	3.50	3.10
DFP201610TV-R47M	0.47	±20%	0.1V/1M	0.035	0.042	3.85	3.40	3.30	3.00
DFP201610TV-R68M	0.68	±20%	0.1V/1M	0.046	0.055	3.25	2.80	2.80	2.50
DFP201610TV-1R0M	1.0	±20%	0.1V/1M	0.059	0.072	2.90	2.50	2.40	2.20
DFP201610TV-1R5M	1.5	±20%	0.1V/1M	0.098	0.118	2.30	1.80	2.10	1.80
DFP201610TV-2R2M	2.2	±20%	0.1V/1M	0.141	0.170	2.10	1.70	1.70	1.55

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

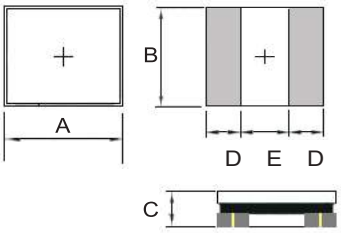
Irms：Based on temperature rise （ΔT：40℃.）Max

■ DC Bias Characteristics (Typical)



AHP 201610N Series (0806 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	1.00 max.
D	0.50 ref.
E	1.00 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
AHP201610NV-R47M	0.47	±20	1V/1M	0.032	0.038	5.00	4.00	4.50	4.00
AHP201610NV-R68M	0.68	±20	1V/1M	0.036	0.044	3.30	2.90	3.80	3.40
AHP201610NV-1R0M	1.0	±20	1V/1M	0.058	0.070	3.00	2.50	3.10	2.80
AHP201610NV-1R5M	1.5	±20	1V/1M	0.105	0.125	2.70	2.40	2.30	2.00
AHP201610NV-2R2M	2.2	±20	1V/1M	0.110	0.130	2.10	1.70	2.10	1.90

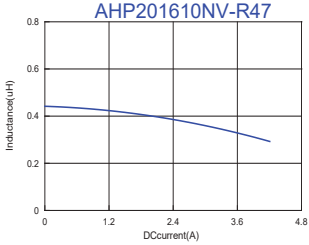
Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

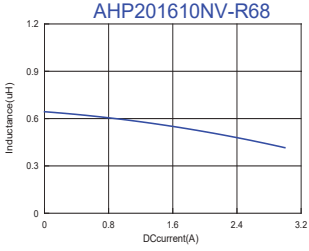
Irms：Based on temperature rise （ΔT：40℃.）Max

■ DC Bias Characteristics (Typical)

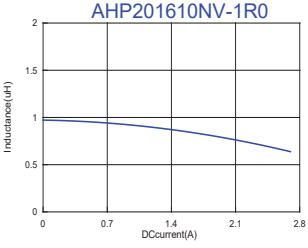
AHP201610NV-R47



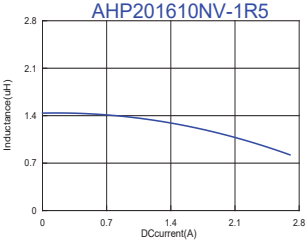
AHP201610NV-R68



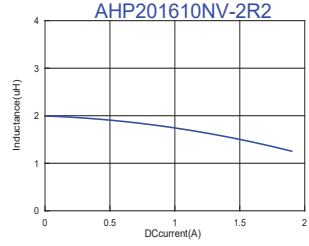
AHP201610NV-1R0



AHP201610NV-1R5

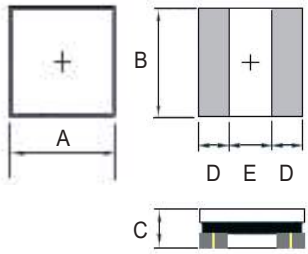


AHP201610NV-2R2



DFP 201612N Series (0806 inch -55~+125)

■ Dimensions



Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	1.20 max.
D	0.60 ref.
E	0.80 ref.

Units: mm

■ Specifications

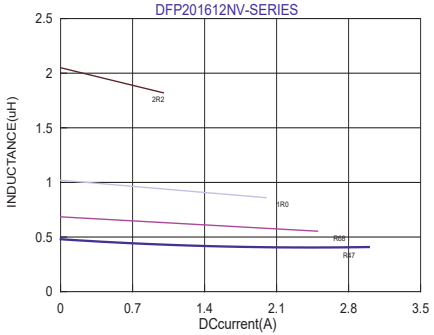
Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
DFP201612NV-R24M	0.24±20%	0.1V/1M	0.025	0.033	5.40	4.80	4.00	3.50
DFP201612NV-R33M	0.33±20%	0.1V/1M	0.027	0.034	4.70	3.90	3.90	3.20
DFP201612NV-R47M	0.47±20%	0.1V/1M	0.035	0.046	3.90	3.50	3.30	2.90
DFP201612NV-R68M	0.68±20%	0.1V/1M	0.055	0.066	3.30	2.80	3.00	2.60
DFP201612NV-1R0M	1.0±20%	0.1V/1M	0.080	0.104	3.00	2.50	2.70	2.30
DFP201612NV-1R5M	1.5±20%	0.1V/1M	0.090	0.108	2.50	2.00	2.10	1.80
DFP201612NV-2R2M	2.2±20%	0.1V/1M	0.155	0.186	2.00	1.60	1.50	1.30

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

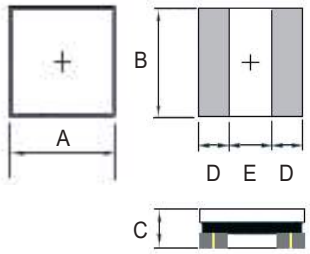
Irms：Based on temperature rise （ΔT：40℃.）Max

■ DC Bias Characteristics (Typical)



HPC 252008M Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.50-0.10/+0.30
B	2.00-0.05/+0.35
C	0.80 max.
D	0.85 ref.
E	0.80 ref.

Units: mm

■ Specifications

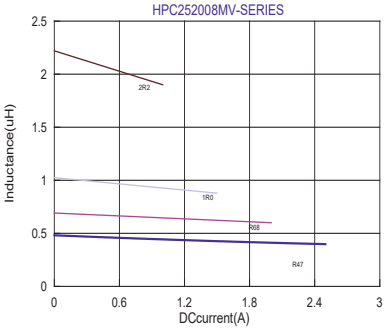
Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
HPC252008MV-R47	0.47±20%	0.1V/1M	0.080	0.096	2.50	2.20	1.45	1.25
HPC252008MV-R68	0.68±20%	0.1V/1M	0.100	0.120	2.05	1.80	1.35	1.15
HPC252008MV-1R0	1.0±20%	0.1V/1M	0.120	0.145	1.75	1.50	1.20	1.05
HPC252008MV-1R5	1.5±20%	0.1V/1M	0.170	0.200	1.65	1.45	1.05	0.95
HPC252008MV-2R2	2.2±20%	0.1V/1M	0.210	0.250	1.40	1.20	0.95	0.85
HPC252008MV-3R3	3.3±20%	0.1V/1M	0.300	0.360	1.10	0.95	0.85	0.75
HPC252008MV-4R7	4.7±20%	0.1V/1M	0.400	0.480	0.90	0.80	0.70	0.63
HPC252008MV-6R8	6.8±20%	0.1V/1M	0.670	0.800	0.75	0.65	0.55	0.50
HPC252008MV-100	10.0±20%	0.1V/1M	0.930	1.110	0.55	0.50	0.45	0.41

Note:

Isat：Based on inductance change （△L/L0：≦-30%）@ ambient temp. 25℃

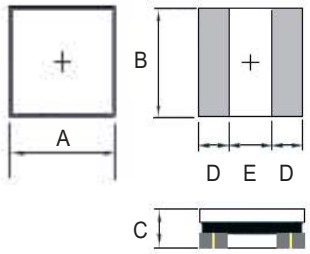
Irms：Based on temperature rise （△T：40℃）MAX

■ DC Bias Characteristics (Typical)



UHP 252010B Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.50-0.10/+0.20
B	2.00-0.10/+0.20
C	1.00 max.
D	0.85 ref.
E	0.80 ref.

Units: mm

■ Specifications

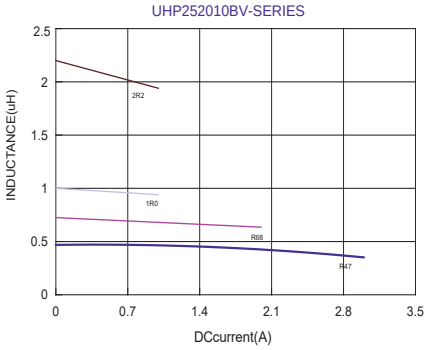
Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
UHP252010BV-R47Y	0.47±30%	0.1V/1M	0.030	2.85	2.57	2.80	2.50
UHP252010BV-R68Y	0.68±30%	0.1V/1M	0.039	2.70	2.45	2.45	2.20
UHP252010BV-1R0Y	1.0±30%	0.1V/1M	0.055	2.45	2.05	2.20	1.80
UHP252010BV-1R5Y	1.5±30%	0.1V/1M	0.090	1.80	1.70	1.70	1.55
UHP252010BV-2R2M	2.2±20%	0.1V/1M	0.114	1.60	1.55	1.55	1.40
UHP252010BV-3R3M	3.3±20%	0.1V/1M	0.170	1.30	1.10	1.25	1.10
UHP252010BV-4R7M	4.7±20%	0.1V/1M	0.250	1.10	0.95	1.05	0.92
UHP252010BV-6R8M	6.8±20%	0.1V/1M	0.370	0.95	0.80	0.85	0.76
UHP252010BV-100M	10±20%	0.1V/1M	0.470	0.75	0.65	0.75	0.67
UHP252010BV-150M	15±20%	0.1V/1M	0.750	0.55	0.45	0.55	0.50
UHP252010BV-220M	22±20%	0.1V/1M	1.120	0.50	0.40	0.50	0.45

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

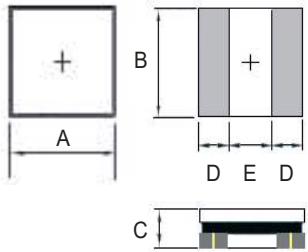
Irms：Based on temperature rise （ΔT：40℃.）Max

■ DC Bias Characteristics (Typical)



DFP 252010N Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.50 -0.10/+0.20
B	2.00 -0.05/+0.35
C	1.00 max.
D	0.85 ref.
E	0.80 ref.

Units: mm

■ Specifications

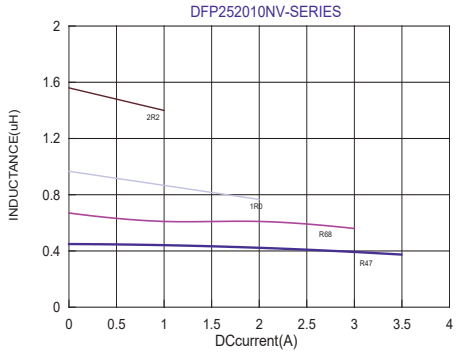
Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
DFP252010NV-R24M	0.24±20%	0.1V/1M	0.030	0.042	4.80	4.30	3.60	3.10
DFP252010NV-R33M	0.33±20%	0.1V/1M	0.032	0.044	4.30	3.80	3.50	3.00
DFP252010NV-R47M	0.47±20%	0.1V/1M	0.034	0.046	4.00	3.30	3.40	2.90
DFP252010NV-R56M	0.56±20%	0.1V/1M	0.045	0.054	3.80	3.00	3.30	2.80
DFP252010NV-R68M	0.68±20%	0.1V/1M	0.046	0.055	3.70	2.90	3.30	2.80
DFP252010NV-1R0M	1.0±20%	0.1V/1M	0.060	0.080	3.40	2.70	2.60	2.20
DFP252010NV-1R2M	1.2±20%	0.1V/1M	0.090	0.108	2.90	2.30	2.30	1.90
DFP252010NV-1R5M	1.5±20%	0.1V/1M	0.090	0.108	2.70	2.10	2.30	1.90
DFP252010NV-2R2M	2.2±20%	0.1V/1M	0.130	0.169	2.40	1.90	1.80	1.50

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

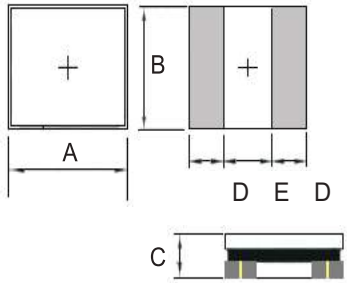
Irms：Based on temperature rise （ΔT：40℃.）Max

■ DC Bias Characteristics (Typical)



AHP 252010N Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.50-0.20/+0.20
B	2.00-0.20/+0.20
C	1.00 max.
D	0.75 ref.
E	1.00 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
AHP252010NV-R24M	0.24	±20	1V/1M	0.022	0.028	7.00	6.00	4.50	4.00
AHP252010NV-R33M	0.33	±20	1V/1M	0.023	0.029	5.50	4.80	4.30	3.80
AHP252010NV-R47M	0.47	±20	1V/1M	0.030	0.036	5.20	4.50	4.00	3.50
AHP252010NV-R68M	0.68	±20	1V/1M	0.038	0.045	4.00	3.50	3.50	3.00
AHP252010NV-1R0M	1.0	±20	1V/1M	0.053	0.063	3.50	3.10	3.00	2.50
AHP252010NV-1R5M	1.5	±20	1V/1M	0.080	0.096	3.00	2.60	2.50	2.00
AHP252010NV-2R2M	2.2	±20	1V/1M	0.105	0.126	2.20	1.90	2.10	1.80
AHP252010NV-3R3M	3.3	±20	1V/1M	0.195	0.235	1.90	1.60	1.40	1.20
AHP252010NV-4R7M	4.7	±20	1V/1M	0.230	0.276	1.60	1.30	1.30	1.10

Note:

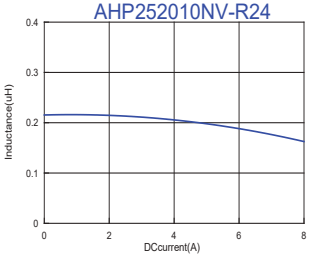
Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃.）Max

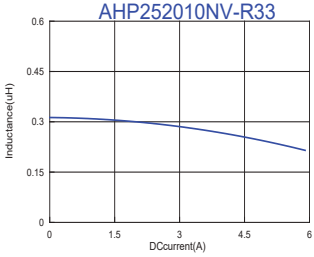
AHP 252010N Series (1008 inch -55~+125)

■ DC Bias Characteristics (Typical)

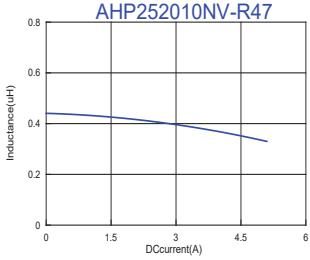
AHP252010NV-R24



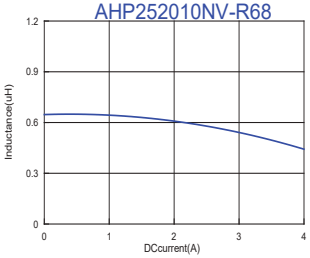
AHP252010NV-R33



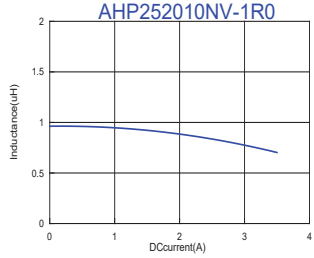
AHP252010NV-R47



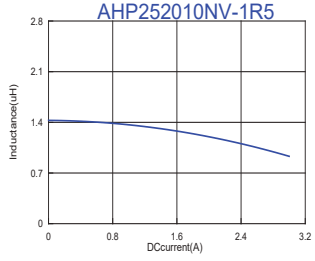
AHP252010NV-R68



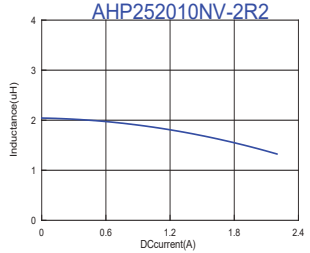
AHP252010NV-1R0



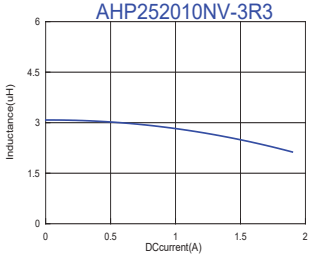
AHP252010NV-1R5



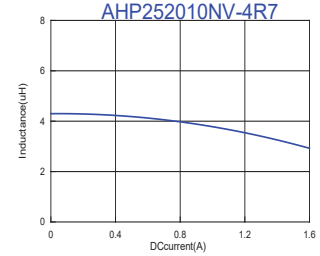
AHP252010NV-2R2



AHP252010NV-3R3

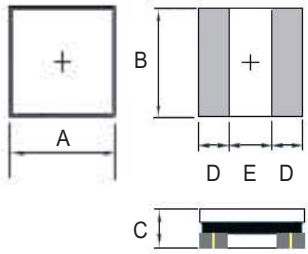


AHP252010NV-4R7



UHP 252012B Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.50 -0.10/+0.20
B	2.00 -0.10/+0.20
C	1.20 max.
D	0.85 ref.
E	0.80 ref.

Units: mm

■ Specifications

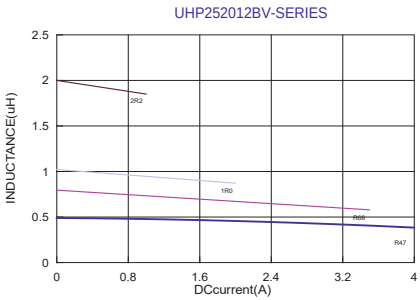
Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
UHP252012BV-R47Y	0.47±30%	0.1V/1M	0.028	4.00	3.60	3.70	3.35
UHP252012BV-R68Y	0.68±30%	0.1V/1M	0.036	3.00	2.70	3.30	3.00
UHP252012BV-1R0Y	1.0±30%	0.1V/1M	0.049	2.70	2.45	2.60	2.30
UHP252012BV-1R5Y	1.5±30%	0.1V/1M	0.063	2.30	2.05	2.20	1.95
UHP252012BV-2R2M	2.2±20%	0.1V/1M	0.080	2.15	1.95	1.85	1.65
UHP252012BV-3R3M	3.3±20%	0.1V/1M	0.120	1.70	1.50	1.45	1.30
UHP252012BV-4R7M	4.7±20%	0.1V/1M	0.176	1.50	1.35	1.20	1.05
UHP252012BV-6R8M	6.8±20%	0.1V/1M	0.250	1.15	1.00	1.00	0.90
UHP252012BV-100M	10±20%	0.1V/1M	0.410	0.85	0.75	0.75	0.65
UHP252012BV-150M	15±20%	0.1V/1M	0.540	0.63	0.56	0.60	0.54
UHP252012BV-220M	22±20%	0.1V/1M	0.850	0.56	0.50	0.50	0.45

Note:

Isat：Based on inductance change （△L/L0：≦-30%）@ ambient temp. 25℃

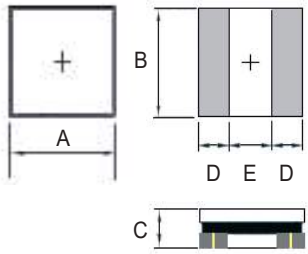
Irms：Based on temperature rise （△T：40℃.）Max

■ DC Bias Characteristics (Typical)



DFP 252012T Series (1008 inch -55~+125)

■ Dimensions



Dimensions	
A	2.50 -0.10/+0.20
B	2.00 -0.05/+0.35
C	1.20 max.
D	0.85 ref.
E	0.80 ref.

Units: mm

■ Specifications

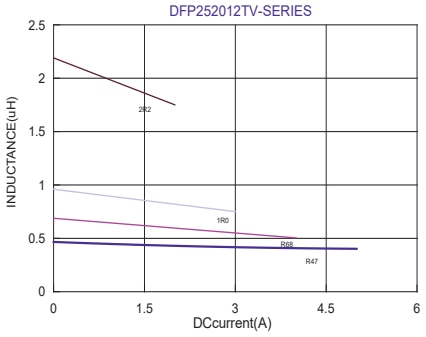
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ
DFP252012TV-R24M	0.24	±20%	0.1V/1M	0.024	0.028	8.00	6.50	4.70
DFP252012TV-R33M	0.33	±20%	0.1V/1M	0.027	0.032	5.70	4.60	4.50
DFP252012TV-R47M	0.47	±20%	0.1V/1M	0.027	0.032	5.50	4.50	4.40
DFP252012TV-R68M	0.68	±20%	0.1V/1M	0.036	0.043	4.50	3.80	3.60
DFP252012TV-1R0M	1.0	±20%	0.1V/1M	0.045	0.057	3.90	3.40	3.50
DFP252012TV-1R5M	1.5	±20%	0.1V/1M	0.080	0.096	3.00	2.60	2.50
DFP252012TV-2R2M	2.2	±20%	0.1V/1M	0.085	0.102	2.70	2.30	2.30

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

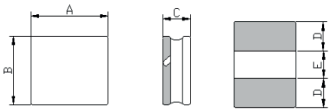
Irms：Based on temperature rise （ΔT：40℃.）Max

■ DC Bias Characteristics (Typical)



AHP 252012 H Series (1008 inch -55~+125)

■ Dimensions



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
AHP252012HV	2.5 -0.1/+0.2	2.0 -0.1/+0.2	1.2Max	0.75 ref.	1.00 ref.

Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max
AHP252012HV-R24M	0.24	±20	1V/1M	0.011	0.015	7.80	6.50	7.00 (1) 7.50 (2)	6.00 (1) 6.50 (2)
AHP252012HV-R33M	0.33	±20	1V/1M	0.017	0.023	7.00	6.00	5.80 (1) 6.30 (2)	4.80 (1) 5.20 (2)
AHP252012HV-R47M	0.47	±20	1V/1M	0.021	0.027	6.50	5.50	5.00 (1) 5.50 (2)	4.20 (1) 4.70 (2)
AHP252012HV-R68M	0.68	±20	1V/1M	0.030	0.037	6.00	5.00	4.50 (1) 5.00 (2)	3.90 (1) 4.20 (2)

Note:

Isat：Based on inductance change （△L/L0：≦30%）@ ambient temp. 25℃

Irms：Based on temperature rise （△T：40℃.）Max

Measurement board data

Irms1

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 30 mm (Double side board)

Pattern thickness : 50 μm

Irms2

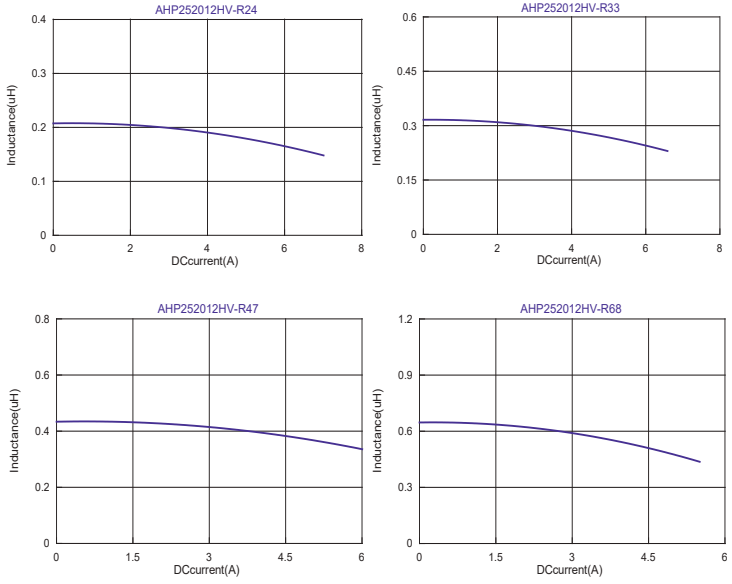
Material: FR4

Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 45 mm (Double side board) Pattern thickness : 70 μm

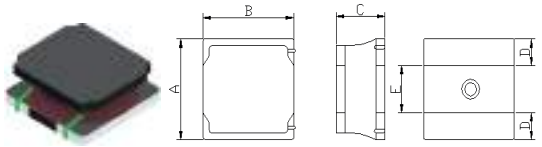
AHP 252012H Series (1008 inch -55~+125)

■ DC Bias Characteristics (Typical)



HPC 3010T Series (1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.00 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

■ Specifications

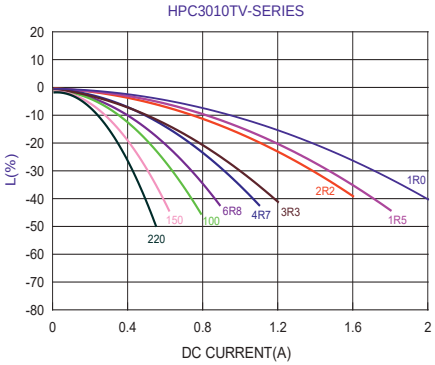
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I sat (A)max.	I rms (A) typ.	I rms (A) max.
HPC3010TV-1R0Y	1.0	±30%	0.1V/1M	0.055	2.20	1.80	2.50	2.10
HPC3010TV-1R5Y	1.5	±30%	0.1V/1M	0.070	2.00	1.50	2.20	1.90
HPC3010TV-2R2M	2.2	±20%	0.1V/1M	0.090	1.60	1.30	2.10	1.70
HPC3010TV-3R3M	3.3	±20%	0.1V/1M	0.130	1.30	1.10	1.70	1.50
HPC3010TV-4R7M	4.7	±20%	0.1V/1M	0.170	1.20	0.90	1.50	1.30
HPC3010TV-6R8M	6.8	±20%	0.1V/1M	0.260	0.90	0.77	1.30	1.00
HPC3010TV-100M	10	±20%	0.1V/1M	0.350	0.75	0.63	1.00	0.80
HPC3010TV-150M	15	±20%	0.1V/1M	0.510	0.65	0.54	0.80	0.70
HPC3010TV-220M	22	±20%	0.1V/1M	0.750	0.55	0.43	0.75	0.60

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃ typ.）

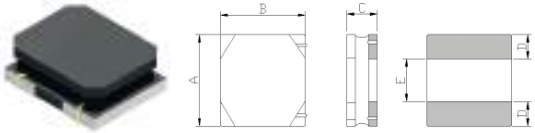
■ DC Bias Characteristics (Typical)



AHP 3010H Series

(1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.00-0.20/+0.20
B	3.00-0.20/+0.20
C	1.00 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
AHP3010HV-R47M	0.47	±20%	1V/1M	0.033	0.039	6.80	5.80	4.00	3.50
AHP3010HV-R68M	0.68	±20%	1V/1M	0.048	0.058	6.00	5.00	3.80	3.00
AHP3010HV-1R0M	1.0	±20%	1V/1M	0.068	0.080	5.30	4.60	3.00	2.50
AHP3010HV-1R5M	1.5	±20%	1V/1M	0.087	0.100	4.00	3.50	2.80	2.30
AHP3010HV-2R2M	2.2	±20%	1V/1M	0.115	0.135	3.20	2.70	2.30	2.00
AHP3010HV-3R3M	3.3	±20%	1V/1M	0.210	0.238	2.50	2.20	1.80	1.50
AHP3010HV-4R7M	4.7	±20%	1V/1M	0.265	0.315	2.20	1.90	1.60	1.30
AHP3010HV-6R8M	6.8	±20%	1V/1M	0.300	0.360	1.70	1.40	1.30	1.10
AHP3010HV-100M	10	±20%	1V/1M	0.360	0.420	1.30	1.10	1.10	1.00

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

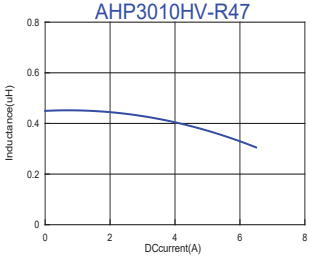
Irms：Based on temperature rise （ΔT：40℃.）Max

AHP 3010H Series

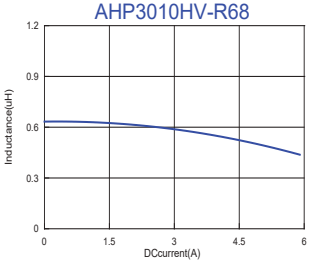
(1212 inch -55~+125)

■ DC Bias Characteristics (Typical)

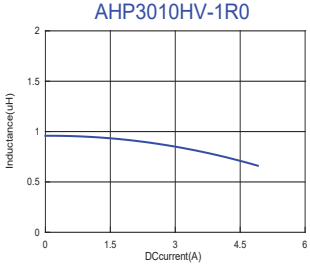
AHP3010HV-R47



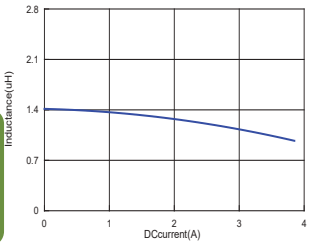
AHP3010HV-R68



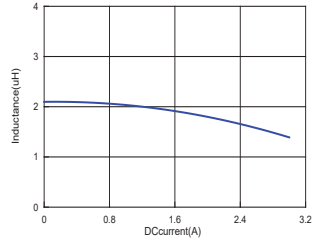
AHP3010HV-1R0



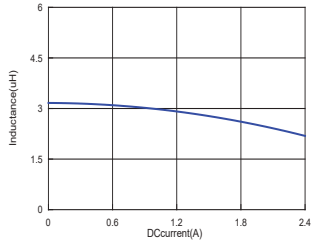
AHP3010HV-1R5



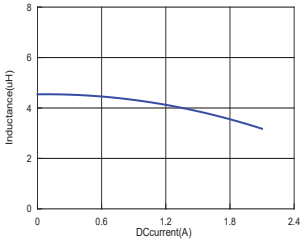
AHP3010HV-2R2



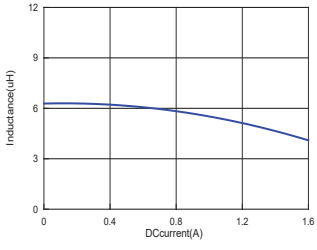
AHP3010HV-3R3



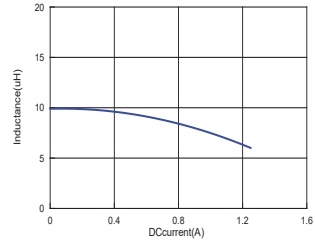
AHP3010HV-4R7



AHP3010HV-6R8

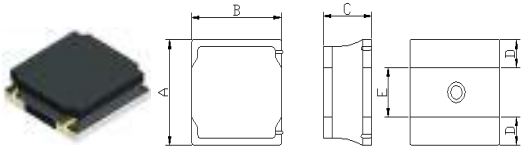


AHP3010HV-100



HPC 3012T Series (1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.20 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

■ Specifications

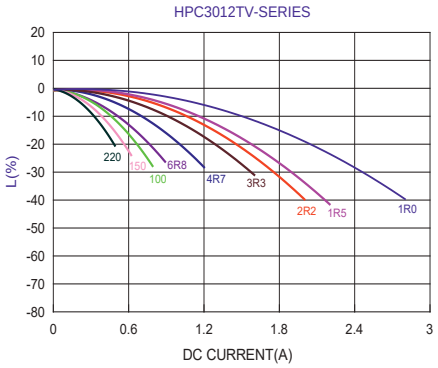
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I sat (A) max.	I rms (A) typ	I rms (A) max.
HPC3012TV-1R0Y	1.0	±30%	0.1V/1M	0.042	2.50	2.15	2.20	2.00
HPC3012TV-1R5Y	1.5	±30%	0.1V/1M	0.056	2.00	1.70	2.00	1.85
HPC3012TV-2R2M	2.2	±20%	0.1V/1M	0.080	1.80	1.50	1.90	1.70
HPC3012TV-3R3M	3.3	±20%	0.1V/1M	0.100	1.50	1.20	1.70	1.55
HPC3012TV-4R7M	4.7	±20%	0.1V/1M	0.130	1.30	1.05	1.50	1.30
HPC3012TV-6R8M	6.8	±20%	0.1V/1M	0.180	1.20	0.90	1.20	1.05
HPC3012TV-100M	10	±20%	0.1V/1M	0.245	0.90	0.76	1.00	0.89
HPC3012TV-150M	15	±20%	0.1V/1M	0.386	0.80	0.62	0.90	0.74
HPC3012TV-220M	22	±20%	0.1V/1M	0.580	0.60	0.49	0.70	0.61

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃ typ.）

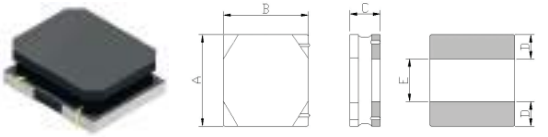
■ DC Bias Characteristics (Typical)



AHP 3012H Series

(1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.00-0.20/+0.20
B	3.00-0.20/+0.20
C	1.20 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
AHP3012HV-R33M	0.33	±20%	1V/1M	0.020	0.024	9.00	7.00	5.50	4.50
AHP3012HV-R47M	0.47	±20%	1V/1M	0.025	0.030	7.50	6.50	5.20	4.20
AHP3012HV-R68M	0.68	±20%	1V/1M	0.032	0.038	6.50	5.50	4.50	3.70
AHP3012HV-1R0M	1.0	±20%	1V/1M	0.042	0.049	5.20	4.50	4.00	3.50
AHP3012HV-1R5M	1.5	±20%	1V/1M	0.060	0.072	4.50	4.00	3.50	3.00
AHP3012HV-2R2M	2.2	±20%	1V/1M	0.090	0.108	3.60	3.00	2.80	2.30
AHP3012HV-3R3M	3.3	±20%	1V/1M	0.130	0.156	3.00	2.50	2.10	1.70
AHP3012HV-4R7M	4.7	±20%	1V/1M	0.180	0.216	2.60	2.30	1.80	1.50
AHP3012HV-6R8M	6.8	±20%	1V/1M	0.250	0.300	2.20	1.90	1.50	1.30
AHP3012HV-100M	10.0	±20%	1V/1M	0.290	0.350	1.50	1.30	1.40	1.20

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

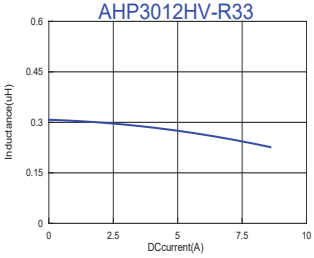
Irms：Based on temperature rise （ΔT：40℃.）Max

AHP 3012H Series

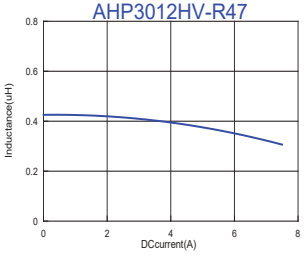
(1212 inch -55~+125)

■ DC Bias Characteristics (Typical)

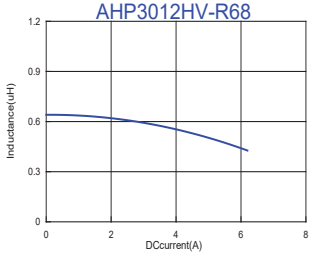
AHP3012HV-R33



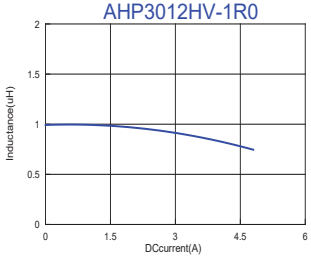
AHP3012HV-R47



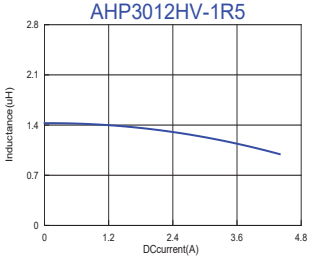
AHP3012HV-R68



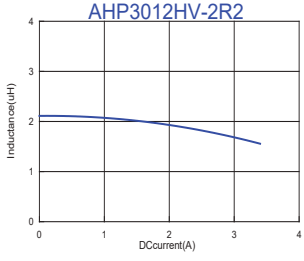
AHP3012HV-1R0



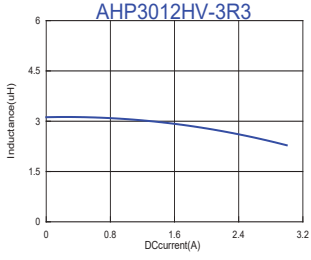
AHP3012HV-1R5



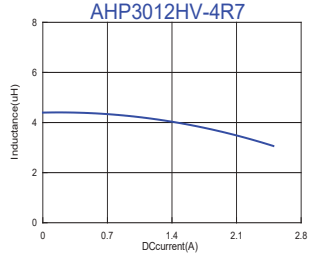
AHP3012HV-2R2



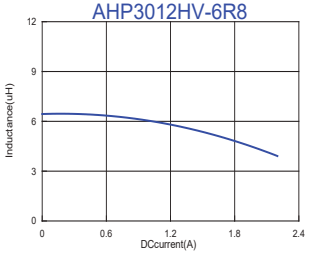
AHP3012HV-3R3



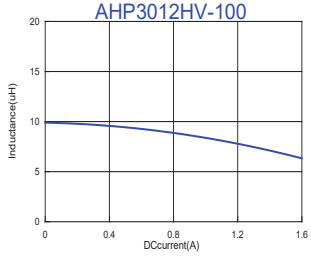
AHP3012HV-4R7



AHP3012HV-6R8

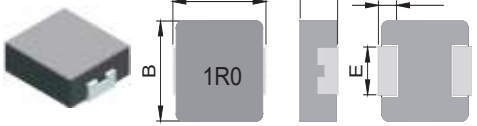


AHP3012HV-100



TMPC 0312H Series (1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.50±0.20
B	3.20±0.20
C	1.00±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

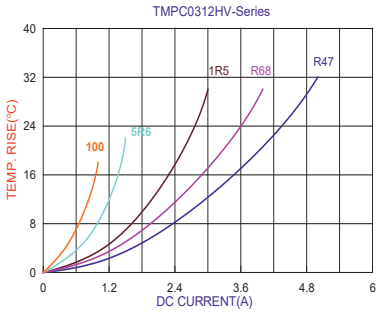
■ Specifications

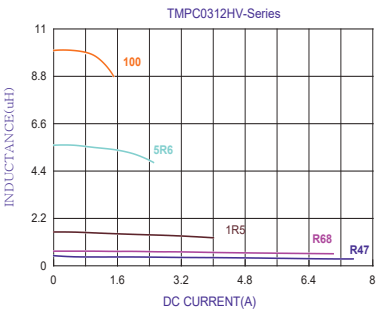
Part Number	Inductance L0 (uH)	I rms (A) typ.	I sat (A) typ.	DCR(mΩ) typ. @25℃	DCR(mΩ) max. @25℃
TMPC0312HV-R47MG	0.47±20%	5.00	7.20	25	30
TMPC0312HV-R56MG	0.56±20%	4.50	6.60	31	36
TMPC0312HV-R68MG	0.68±20%	4.00	6.10	34	40
TMPC0312HV-R82MG	0.82±20%	3.50	5.80	41	48
TMPC0312HV-1R0MG	1.00±20%	3.30	5.50	50	60
TMPC0312HV-1R5MG	1.50±20%	3.00	4.00	71	85
TMPC0312HV-2R2MG	2.20±20%	2.70	3.40	98	115
TMPC0312HV-3R3MG	3.30±20%	2.00	3.10	191	210
TMPC0312HV-4R7MG	4.70±20%	1.60	2.80	266	293
TMPC0312HV-5R6MG	5.60±20%	1.50	2.20	310	360
TMPC0312HV-6R8MG	6.80±20%	1.40	2.00	360	400
TMPC0312HV-8R2MG	8.20±20%	1.20	1.70	420	463
TMPC0312HV-100MG	10.0±20%	1.00	1.40	498	550

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

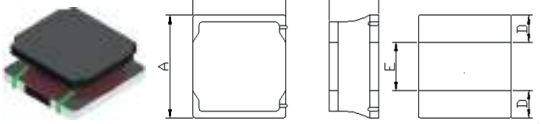
■ DC Bias Characteristics (Typical)





HPC 3015T Series (1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.50 max.
D	1.00 ref.
E	1.00 ref.

Units: mm

■ Specifications

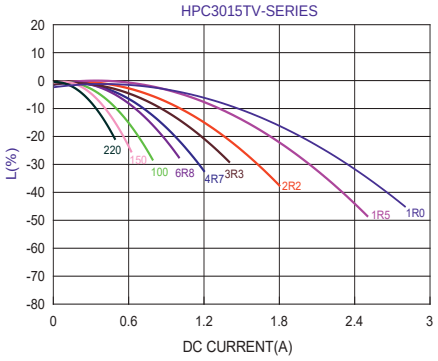
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) ±20%	I sat (A)typ	I sat (A)max.	I rms (A)typ	I rms (A)max.
HPC3015TV-1R0Y	1.0	±30%	1V100K	100	0.030	2.20	2.00	2.20	2.00
HPC3015TV-1R5Y	1.5	±30%	1V100K	87	0.040	2.00	1.80	2.00	1.80
HPC3015TV-2R2M	2.2	±20%	1V100K	64	0.060	1.70	1.50	1.70	1.50
HPC3015TV-3R3M	3.3	±20%	1V100K	49	0.080	1.40	1.20	1.40	1.20
HPC3015TV-4R7M	4.7	±20%	1V100K	40	0.120	1.20	1.00	1.20	1.00
HPC3015TV-6R8M	6.8	±20%	1V100K	36	0.160	1.00	0.90	1.00	0.90
HPC3015TV-100M	10	±20%	1V100K	28	0.220	0.75	0.65	0.80	0.70
HPC3015TV-150M	15	±20%	1V100K	23	0.320	0.65	0.55	0.70	0.60
HPC3015TV-220M	22	±20%	1V100K	20	0.460	0.55	0.45	0.60	0.50
HPC3015TV-330M	33	±20%	1V100K	18	0.800	0.40	0.35	0.45	0.40
HPC3015TV-470M	47	±20%	1V100K	17	1.200	0.35	0.30	0.40	0.35

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃ typ.）

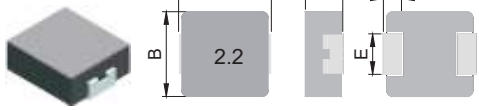
■ DC Bias Characteristics (Typical)



TMPC 0315H Series

(1212 inch -55~+125)

■ Dimensions



Dimensions	
A	3.50±0.30
B	3.20±0.20
C	1.30±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) Typ.
TMPC0315HV-R22MG	0.22	±20	1V/100K	14.0	17	10.8	7.0
TMPC0315HV-R47MG	0.47	±20	1V/100K	23.3	28	8.00	5.5
TMPC0315HV-R56MG	0.56	±20	1V/100K	28.0	33	7.20	5.0
TMPC0315HV-R68MG	0.68	±20	1V/100K	34.0	42	6.50	4.5
TMPC0315HV-1R0MG	1.00	±20	1V/100K	41.0	50	5.80	3.6
TMPC0315HV-1R5MG	1.50	±20	1V/100K	64.0	77	4.00	3.4
TMPC0315HV-2R2MG	2.20	±20	1V/100K	82.0	98	3.80	3.2
TMPC0315HV-3R3MG	3.30	±20	1V/100K	170	205	3.20	2.5
TMPC0315HV-4R7MG	4.70	±20	1V/100K	220	264	2.80	1.9
TMPC0315HV-5R6MG	5.60	±20	1V/100K	265	318	2.30	1.7
TMPC0315HV-6R8MG	6.80	±20	1V/100K	290	348	2.00	1.5
TMPC0315HV-8R2MG	8.20	±20	1V/100K	390	468	1.80	1.3
TMPC0315HV-100MG	10.0	±20	1V/100K	435	522	1.60	1.2

Note:

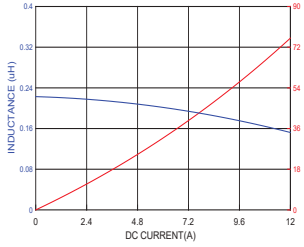
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

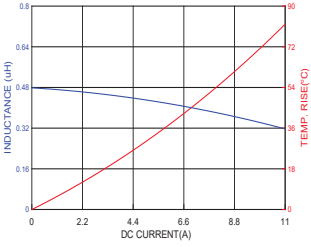
TMPC 0315H Series (1212 inch -55~+125)

■ DC Bias Characteristics (Typical)

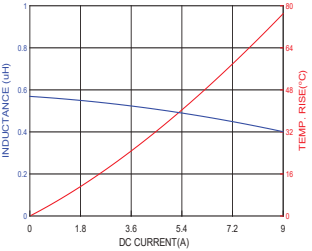
TMPC0315HV-R22



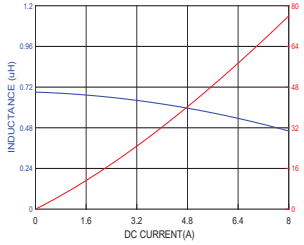
TMPC0315HV-R47



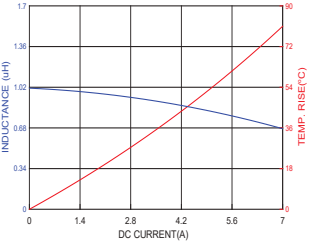
TMPC0315HV-R56



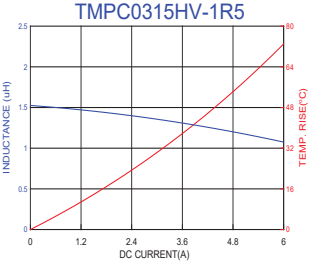
TMPC0315HV-R68



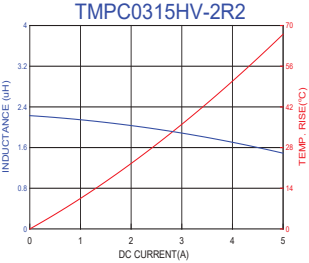
TMPC0315HV-1R0



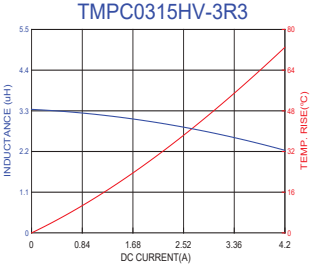
TMPC0315HV-1R5



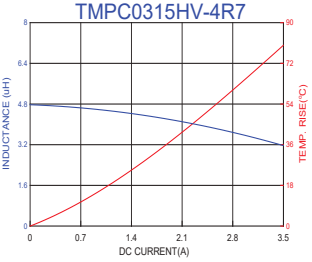
TMPC0315HV-2R2



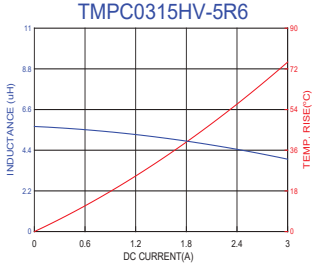
TMPC0315HV-3R3



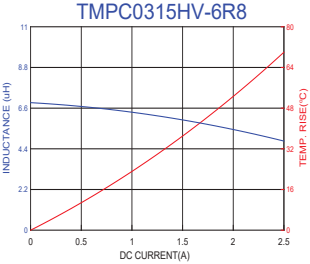
TMPC0315HV-4R7



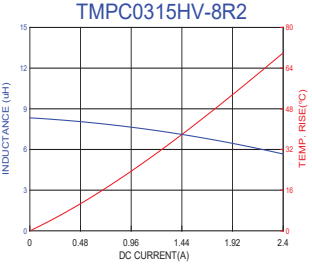
TMPC0315HV-5R6



TMPC0315HV-6R8



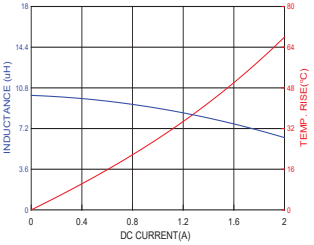
TMPC0315HV-8R2



TMPC 0315H Series (1212 inch -55~+125)

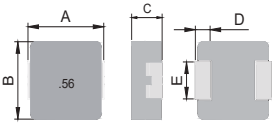
■ DC Bias Characteristics (Typical)

TMPC0315HV-100



TMPC 0318H Series (1212 inch-55~+125)

■ Dimensions



Dimensions	
A	3.50±0.30
B	3.20±0.20
C	1.60±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) Typ.
TMPC0318HV-R47MG	0.47	±20	1V/100K	21.5	25.0	8.5	6.0
TMPC0318HV-R56MG	0.56	±20	1V/100K	21.0	26.0	8.0	5.0
TMPC0318HV-R68MG	0.68	±20	1V/100K	29.0	33.5	6.5	5.0
TMPC0318HV-1R0MG	1.00	±20	1V/100K	38.0	44.0	5.0	3.8
TMPC0318HV-1R5MG	1.50	±20	1V/100K	56.0	65.0	4.0	3.5
TMPC0318HV-2R2MG	2.20	±20	1V/100K	73.0	85.0	3.7	3.3
TMPC0318HV-3R3MG	3.30	±20	1V/100K	136	158	3.3	2.7
TMPC0318HV-4R7MG	4.70	±20	1V/100K	180	208	2.9	2.3
TMPC0318HV-5R6MG	5.60	±20	1V/100K	238	275	2.3	1.9
TMPC0318HV-6R8MG	6.80	±20	1V/100K	275	320	2.1	1.5
TMPC0318HV-8R2MG	8.20	±20	1V/100K	350	405	1.9	1.4
TMPC0318HV-100MG	10.0	±20	1V/100K	375	450	1.6	1.3
TMPC0318HV-150MG	15.0	±20	1V/100K	520	600	1.5	1.2

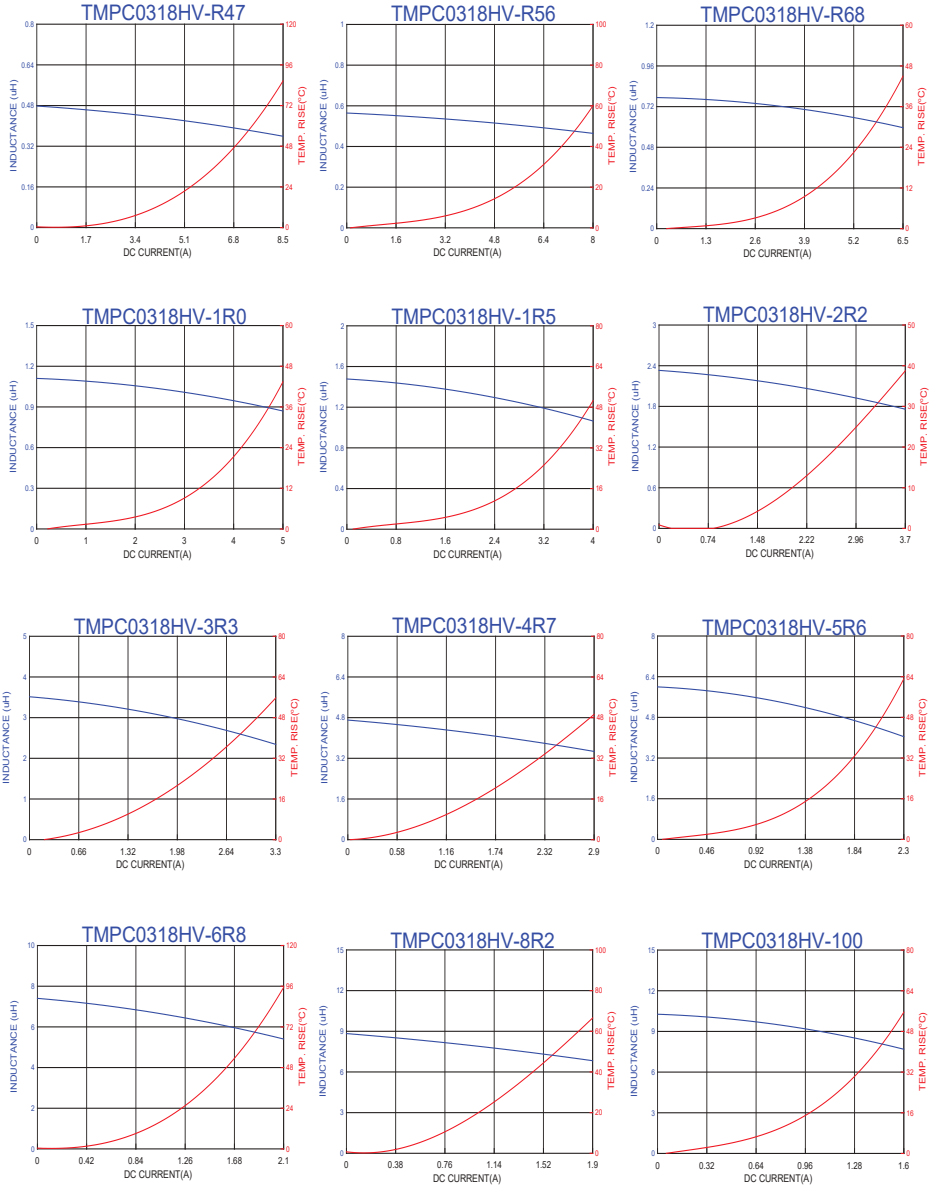
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

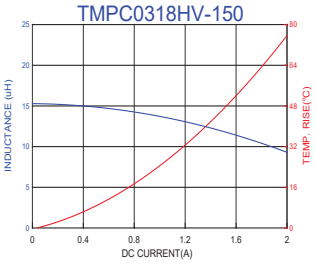
TMPC 0318H Series (1212 inch -55~+125)

■ DC Bias Characteristics (Typical)



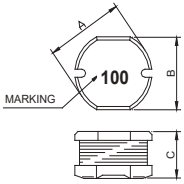
TMPC 0318H Series (1212 inch -55~+125)

■ DC Bias Characteristics (Typical)



FPI 0302 BM Series (1212 inch -55~+125)

■ Dimensions



Dimensions	A(mm)	B(mm)	C(mm)
FPI 0302	3.50±0.3	3.00±0.3	2.10±0.3

Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0302BMV-1R0M	1.0	± 20%	1V/7.96M	0.04	1.50
FPI 0302BMV-2R2M	2.2	± 20%	1V/7.96M	0.08	0.75
FPI 0302BMV-3R3M	3.3	± 20%	1V/7.96M	0.15	0.60
FPI 0302BMV-4R7M	4.7	± 20%	1V/7.96M	0.20	0.50
FPI 0302BMV-5R6M	5.6	± 20%	1V/7.96M	0.23	0.45
FPI 0302BMV-6R8M	6.8	± 20%	1V/7.96M	0.25	0.40
FPI 0302BMV-8R2M	8.2	± 20%	1V/7.96M	0.30	0.40
FPI 0302BMV-100M	10	± 20%	1V/2.52M	0.35	0.35
FPI 0302BMV-120M	12	± 20%	1V/2.52M	0.40	0.35
FPI 0302BMV-150M	15	± 20%	1V/2.52M	0.50	0.30
FPI 0302BMV-180M	18	± 20%	1V/2.52M	0.55	0.30
FPI 0302BMV-220M	22	± 20%	1V/2.52M	0.60	0.30
FPI 0302BMV-270M	27	± 20%	1V/2.52M	0.70	0.30
FPI 0302BMV-330M	33	± 20%	1V/2.52M	1.00	0.25
FPI 0302BMV-390M	39	± 20%	1V/2.52M	1.20	0.25
FPI 0302BMV-470M	47	± 20%	1V/2.52M	1.50	0.20
FPI 0302BMV-560M	56	± 20%	1V/2.52M	1.80	0.20
FPI 0302BMV-680M	68	± 20%	1V/2.52M	2.00	0.18
FPI 0302BMV-820M	82	± 20%	1V/2.52M	2.50	0.16
FPI 0302BMV-101M	100	± 20%	1V/1K	3.00	0.15
FPI 0302BMV-121M	120	± 20%	1V/1K	3.50	0.14
FPI 0302BMV-151M	150	± 20%	1V/1K	4.00	0.13
FPI 0302BMV-221M	220	± 20%	1V/1K	5.50	0.10
FPI 0302BMV-331M	330	± 20%	1V/1K	7.00	0.10
FPI 0302BMV-471M	470	± 20%	1V/1K	12.0	0.09

Note:
Based on inductance change （△L/L0：≦-35%）@ ambient temp. 25℃
Based on temperature rise （△T：40℃ typ.）

TMPC 0302H Series (1212 inch -55~+125)

■ Dimensions

Dimensions	
A	3.50±0.20
B	3.20±0.20
C	1.80±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

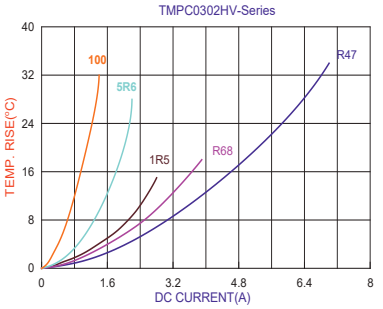
■ Specifications

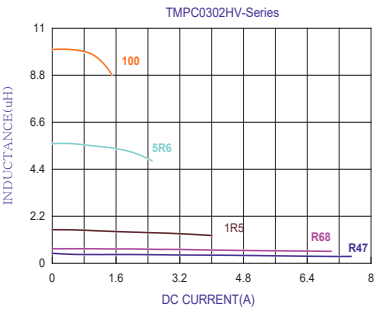
Part Number	Inductance L0 (uH)	I rms (A) typ.	I sat (A) typ.	DCR(mΩ) typ. @25℃	DCR(mΩ) max. @25℃
TMPC0302HV-R10YG	0.10±30%	10.50	14.00	6.6	9.0
TMPC0302HV-R47MG	0.47±20%	7.00	9.00	19.7	23.0
TMPC0302HV-R68MG	0.68±20%	5.50	7.00	25.5	29.0
TMPC0302HV-1R0MG	1.00±20%	4.00	5.00	32.0	38.0
TMPC0302HV-2R2MG	2.20±20%	3.50	3.70	65.0	75.0
TMPC0302HV-3R3MG	3.30±20%	3.00	3.50	125	145
TMPC0302HV-4R7MG	4.70±20%	2.60	3.00	172	200
TMPC0302HV-5R6MG	5.60±20%	2.20	2.60	205	238
TMPC0302HV-6R8MG	6.80±20%	1.90	2.20	260	300
TMPC0302HV-100MG	10.0±20%	1.40	1.60	366	422

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

■ DC Bias Characteristics (Typical)

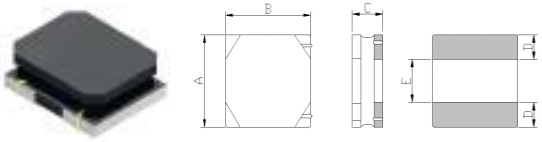




DFP 4008T Series

(1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.00-0.20/+0.20
B	4.00-0.20/+0.20
C	0.70-0.10/+0.10
D	1.20 ref.
E	1.60 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
DFP4008TV-R47M	0.47	±20%	1V100K	0.080	0.096	5.00	4.50	3.00	2.50
DFP4008TV-R68M	0.68	±20%	1V100K	0.084	0.100	3.50	3.00	2.60	2.20
DFP4008TV-1R0M	1.0	±20%	1V100K	0.110	0.130	3.20	2.80	2.30	2.00
DFP4008TV-1R5M	1.5	±20%	1V100K	0.140	0.168	2.80	2.50	2.00	1.80
DFP4008TV-2R2M	2.2	±20%	1V100K	0.230	0.276	2.50	2.20	1.60	1.40
DFP4008TV-3R3M	3.3	±20%	1V100K	0.300	0.360	2.00	1.70	1.50	1.30
DFP4008TV-4R7M	4.7	±20%	1V100K	0.420	0.500	1.80	1.60	1.20	1.10
DFP4008TV-6R8M	6.8	±20%	1V100K	0.580	0.690	1.70	1.50	1.10	1.00
DFP4008TV-100M	10.0	±20%	1V100K	0.800	0.960	1.50	1.40	1.00	0.90

Note:

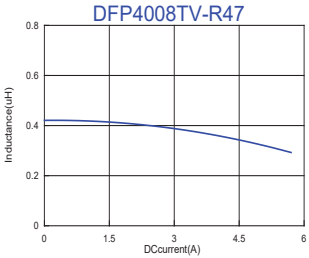
Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

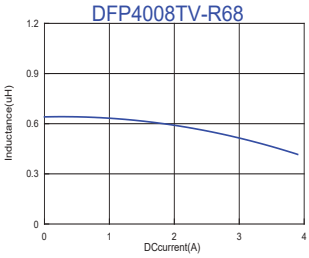
Irms：Based on temperature rise （ΔT：40℃.）Max

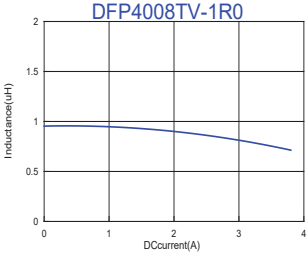
DFP 4008T Series

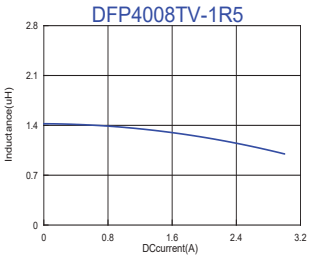
(1616 inch -55~+125)

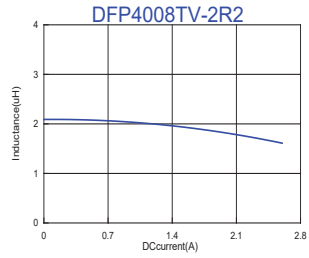
■ DC Bias Characteristics (Typical)

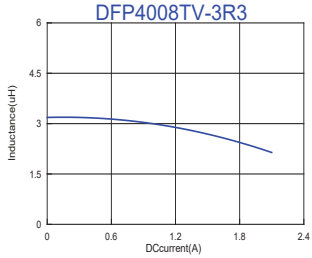


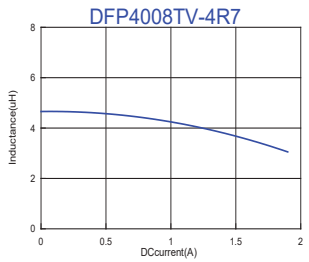


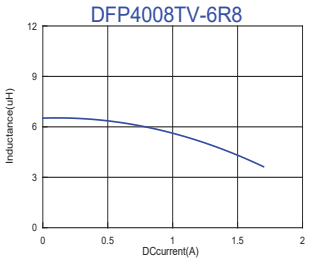


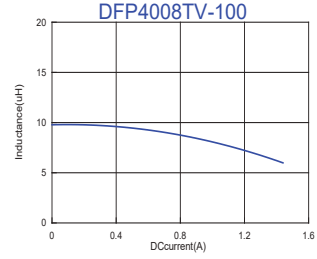






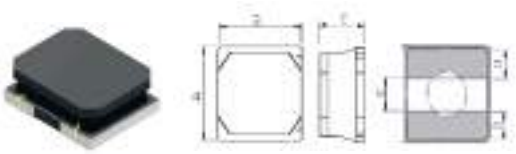






HPC 4010T Series (1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.00 max.
D	1.2 ref.
E	1.6 ref.

Units: mm

■ Specifications

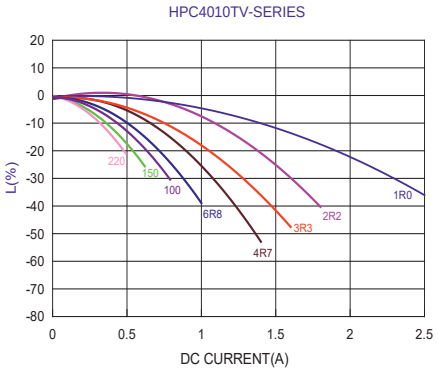
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) ±20%	I sat (A)typ.	I sat (A)Max.	I rms (A)typ.	I rms (A)Max.
HPC4010TV-1R0Y	1.0	±30%	1V100K	116	0.056	2.40	2.00	2.30	1.90
HPC4010TV-2R2M	2.2	±20%	1V100K	73	0.085	1.50	1.20	1.80	1.50
HPC4010TV-3R3M	3.3	±20%	1V100K	58	0.100	1.30	1.10	1.70	1.40
HPC4010TV-4R7M	4.7	±20%	1V100K	47	0.140	1.20	0.95	1.50	1.20
HPC4010TV-6R8M	6.8	±20%	1V100K	38	0.200	1.00	0.80	1.20	1.00
HPC4010TV-100M	10	±20%	1V100K	31	0.300	0.80	0.62	0.90	0.75
HPC4010TV-150M	15	±20%	1V100K	24	0.430	0.70	0.54	0.80	0.60
HPC4010TV-220M	22	±20%	1V100K	19	0.570	0.60	0.45	0.80	0.50

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃ typ.）

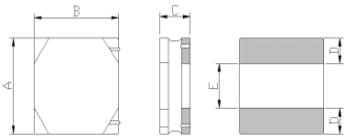
■ DC Bias Characteristics (Typical)



AHP 4010H Series

(1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.00-0.20/+0.20
B	4.00-0.20/+0.20
C	1.00 MAX
D	1.20 ref.
E	1.60 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
AHP4010HV-R47M	0.47	±20%	1V100K	0.038	0.045	8.00	7.00	4.50	4.00
AHP4010HV-R68M	0.68	±20%	1V100K	0.050	0.060	7.00	6.00	4.00	3.50
AHP4010HV-1R0M	1.0	±20%	1V100K	0.059	0.069	6.00	5.00	3.50	3.20
AHP4010HV-1R5M	1.5	±20%	1V100K	0.062	0.075	4.00	3.50	3.50	3.00
AHP4010HV-2R2M	2.2	±20%	1V100K	0.075	0.090	3.10	2.60	3.00	2.50
AHP4010HV-3R3M	3.3	±20%	1V100K	0.115	0.140	2.80	2.30	2.50	2.00
AHP4010HV-4R7M	4.7	±20%	1V100K	0.200	0.240	2.50	2.00	2.10	1.70
AHP4010HV-6R8M	6.8	±20%	1V100K	0.300	0.360	2.10	1.80	1.60	1.40
AHP4010HV-100M	10.0	±20%	1V100K	0.440	0.510	1.80	1.50	1.40	1.20

Note:

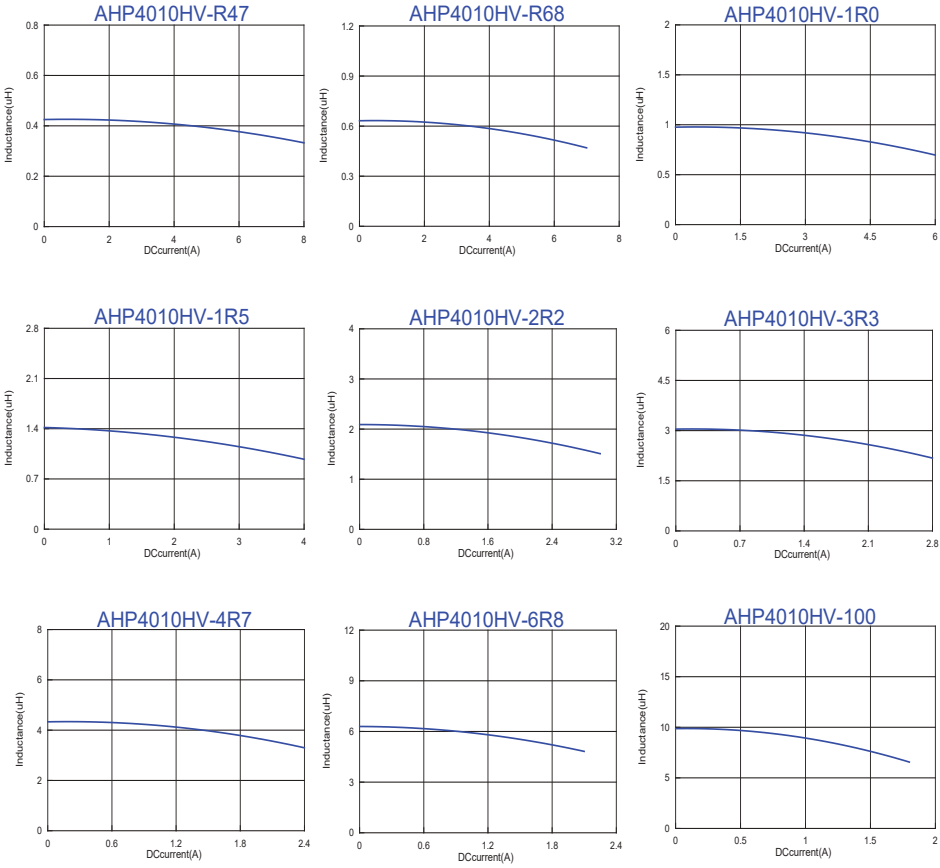
Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃.）Max

AHP 4010H Series

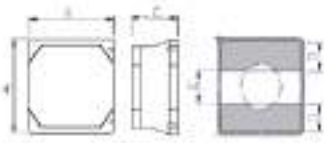
(1616 inch -55~+125)

■ DC Bias Characteristics (Typical)



HPC 4012T Series (1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.20 max.
D	1.20 ref.
E	1.60 ref.

Units: mm

■ Specifications

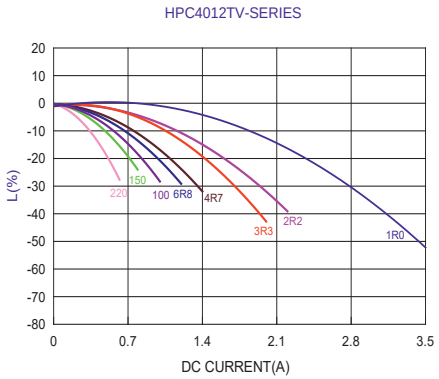
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) ±20%	I sat (A)typ.	I sat (A)Max.	I rms (A)typ.	I rms (A)Max.
HPC4012TV-1R0Y	1.0	±30%	1V100K	100	0.042	3.30	2.80	2.50	2.20
HPC4012TV-2R2M	2.2	±20%	1V100K	70	0.060	1.95	1.65	2.20	1.90
HPC4012TV-3R3M	3.3	±20%	1V100K	60	0.070	1.60	1.40	1.90	1.70
HPC4012TV-4R7M	4.7	±20%	1V100K	45	0.095	1.40	1.20	1.70	1.50
HPC4012TV-6R8M	6.8	±20%	1V100K	35	0.125	1.10	0.90	1.50	1.30
HPC4012TV-100M	10	±20%	1V100K	30	0.180	1.00	0.80	1.30	1.10
HPC4012TV-150M	15	±20%	1V100K	24	0.260	0.80	0.65	0.95	0.75
HPC4012TV-220M	22	±20%	1V100K	18	0.400	0.60	0.50	0.72	0.62

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃ typ.）

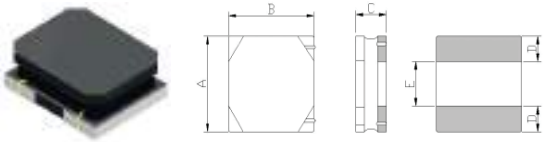
■ DC Bias Characteristics (Typical)



AHP 4012H Series

(1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.00-0.20/+0.20
B	4.00-0.20/+0.20
C	1.20 MAX
D	1.20 ref.
E	1.60 ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
AHP4012HV-R47M	0.47	±20%	1V100K	0.028	0.033	10.00	8.00	6.00	5.00
AHP4012HV-R68M	0.68	±20%	1V100K	0.036	0.043	8.00	7.00	5.00	4.00
AHP4012HV-1R0M	1.0	±20%	1V100K	0.040	0.050	6.50	5.50	3.80	3.50
AHP4012HV-1R5M	1.5	±20%	1V100K	0.050	0.060	5.60	4.70	3.70	3.30
AHP4012HV-2R2M	2.2	±20%	1V100K	0.065	0.078	4.50	4.00	3.40	3.00
AHP4012HV-3R3M	3.3	±20%	1V100K	0.100	0.120	4.00	3.30	2.80	2.50
AHP4012HV-4R7M	4.7	±20%	1V100K	0.125	0.145	3.00	2.70	2.30	2.00
AHP4012HV-6R8M	6.8	±20%	1V100K	0.150	0.180	2.20	1.90	2.10	1.80
AHP4012HV-100M	10.0	±20%	1V100K	0.280	0.330	2.00	1.70	1.60	1.40

Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

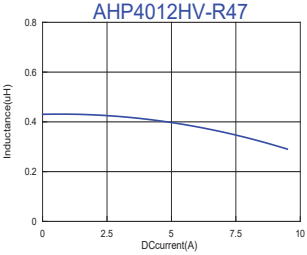
Irms：Based on temperature rise （ΔT：40℃.）Max

AHP 4012H Series

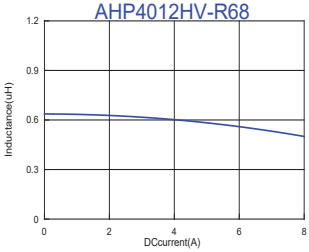
(1616 inch -55~+125)

■ DC Bias Characteristics (Typical)

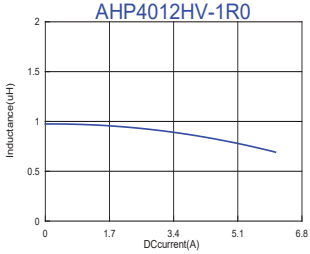
AHP4012HV-R47



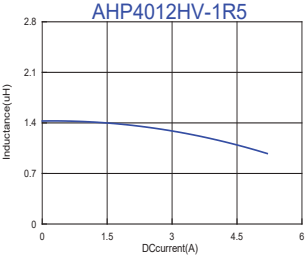
AHP4012HV-R68



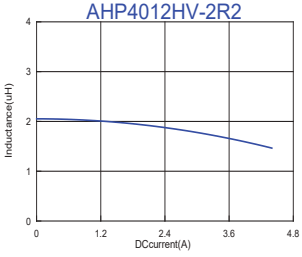
AHP4012HV-1R0



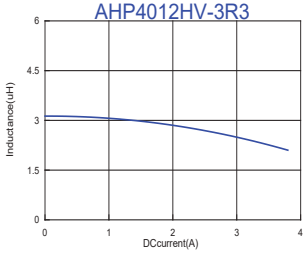
AHP4012HV-1R5



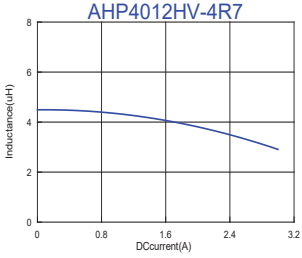
AHP4012HV-2R2



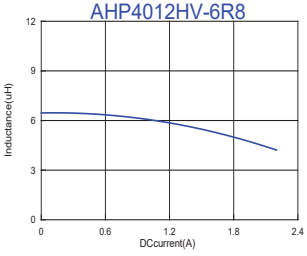
AHP4012HV-3R3



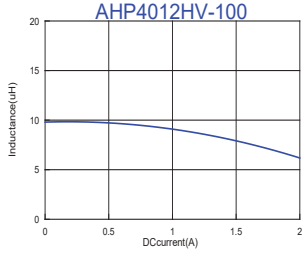
AHP4012HV-4R7



AHP4012HV-6R8



AHP4012HV-100



TMPC 0412HP Series (1616 inch -55~+125)

■ Dimensions

Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.00±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

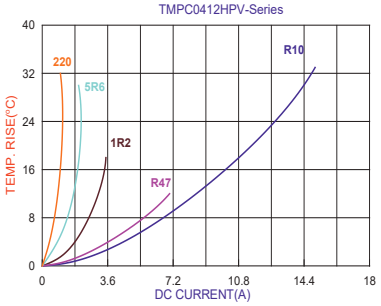
■ Specifications

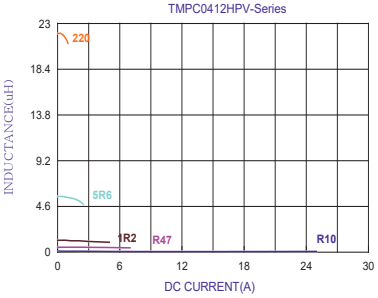
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0412HPV-R10YG	0.10±30%	11.50	25.0	4.30	5.50
TMPC0412HPV-R47MG	0.47±20%	6.00	6.50	18.0	20.0
TMPC0412HPV-R68MG	0.68±20%	5.00	6.00	32.0	37.0
TMPC0412HPV-1R0MG	1.00±20%	4.00	6.00	41.0	47.0
TMPC0412HPV-2R2MG	2.20±20%	2.80	3.50	69.2	80.0
TMPC0412HPV-3R3MG	3.30±20%	2.30	3.00	84.0	97.0
TMPC0412HPV-4R7MG	4.70±20%	2.00	2.50	128	145
TMPC0412HPV-5R6MG	5.60±20%	1.70	2.30	180	208
TMPC0412HPV-6R8MG	6.80±20%	1.50	1.70	300	360
TMPC0412HPV-100MG	10.0±20%	1.30	1.40	410	463

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

■ DC Bias Characteristics (Typical)

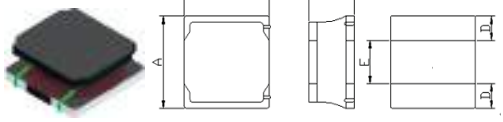




HPC 4015TV Series

(1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.50MAX
D	1.2ref.
E	1.6ref.

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	I sat (A) typ.	I rms (A) typ.
HPC4015TV-1R0M	1.00	±20	1V/100K	33	4.00	3.70
HPC4015TV-1R5M	1.50	±20	1V/100K	41	3.30	3.30
HPC4015TV-2R2M	2.20	±20	1V/100K	55	2.90	2.90
HPC4015TV-3R3M	3.30	±20	1V/100K	65	2.30	2.30
HPC4015TV-4R7M	4.70	±20	1V/100K	85	1.90	1.90
HPC4015TV-5R6M	5.60	±20	1V/100K	103	1.70	1.70
HPC4015TV-6R8M	6.80	±20	1V/100K	110	1.60	1.60
HPC4015TV-100M	10.0	±20	1V/100K	160	1.40	1.40
HPC4015TV-150M	15.0	±20	1V/100K	230	1.10	1.10

Note:

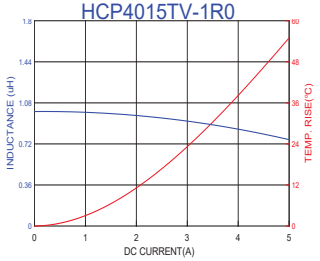
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

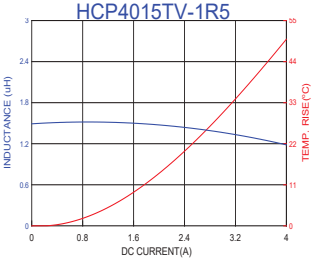
HPC 4015TV Series (1616 inch -55~+125)

■ DC Bias Characteristics (Typical)

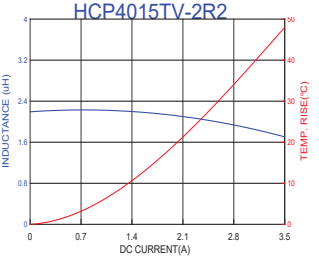
HCP4015TV-1R0



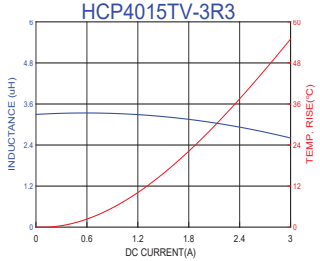
HCP4015TV-1R5



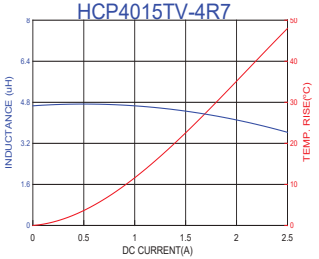
HCP4015TV-2R2



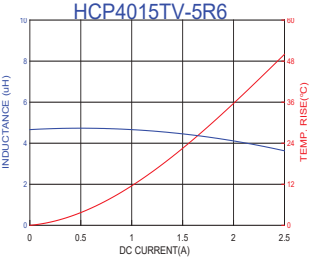
HCP4015TV-3R3



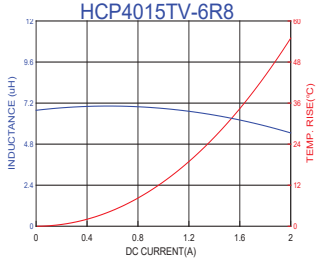
HCP4015TV-4R7



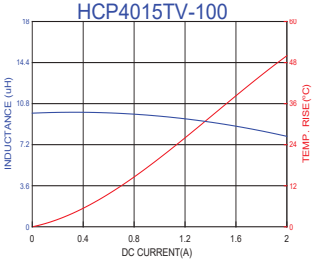
HCP4015TV-5R6



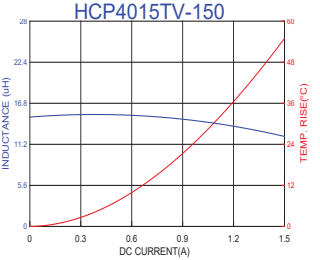
HCP4015TV-6R8



HCP4015TV-100

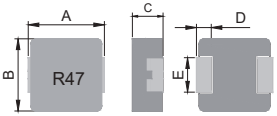


HCP4015TV-150



TMPC 0415HP Series (1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.30±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) Typ.
TMPC0415HPV-47NMG-Z02	0.047	±20	1V/100K	2.1	2.5	48	20.5
TMPC0415HPV-R22MG-Z02	0.22	±20	1V/100K	6.5	7.8	20	10
TMPC0415HPV-R47MG-Z02	0.47	±20	1V/100K	15	19	11	8.0
TMPC0415HPV-R68MG-Z02	0.68	±20	1V/100K	19	21.5	8.5	6.5
TMPC0415HPV-1R0MG-Z02	1.00	±20	1V/100K	34	40	7.0	5.0
TMPC0415HPV-2R2MG-Z02	2.20	±20	1V/100K	63	72	4.0	3.2
TMPC0415HPV-4R7MG-Z02	4.70	±20	1V/100K	120	140	2.8	2.2
TMPC0415HPV-6R8MG-Z02	6.80	±20	1V/100K	230	276	2.3	1.7
TMPC0415HPV-100MG-Z02	10.0	±20	1V/100K	345	400	1.9	1.5

Note:

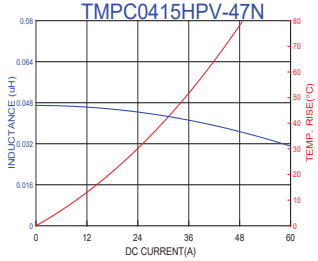
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

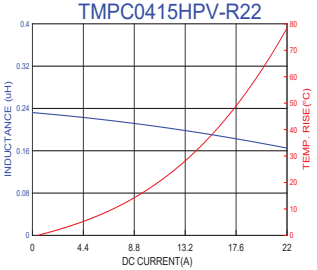
TMPC 0415HP Series (1616 inch -55~+125)

■ DC Bias Characteristics (Typical)

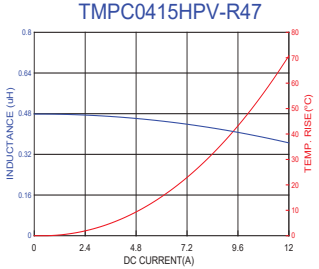
TMPC0415HPV-47N



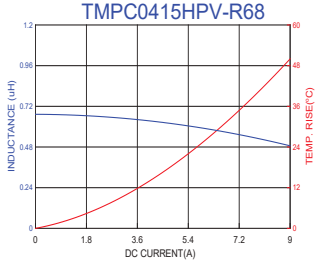
TMPC0415HPV-R22



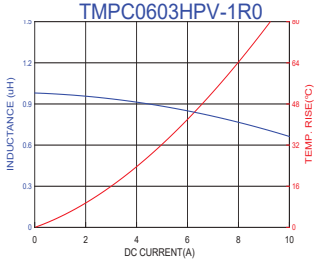
TMPC0415HPV-R47



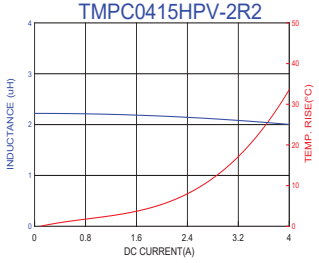
TMPC0415HPV-R68



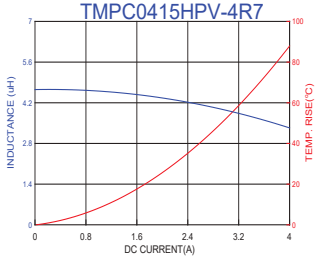
TMPC0603HPV-1R0



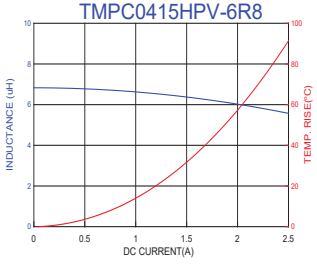
TMPC0415HPV-2R2



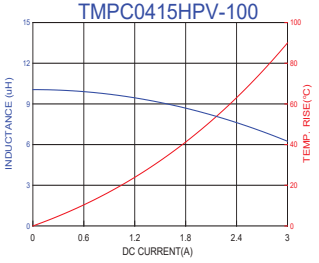
TMPC0415HPV-4R7



TMPC0415HPV-6R8



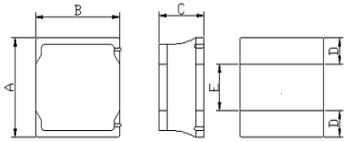
TMPC0415HPV-100



HPC 4018N Series

(1616 inch -55 ~+125)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80 max.
D	1.2 ref
E	1.6 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) ±20%	I sat (A)typ.	I sat (A)Max.	I rms (A)typ.	I rms (A)Max.
HPC4018NV-1R0M	1.0	±20%	1V100K	160	0.027	4	3.6	3.7	3.6
HPC4018NV-1R5M	1.5	±20%	1V100K	110	0.032	3.3	3	3.3	3
HPC4018NV-2R2M	2.2	±20%	1V100K	70	0.042	3	2.7	2.9	2.7
HPC4018NV-3R3M	3.3	±20%	1V100K	60	0.055	2.3	2.2	2.3	2.2
HPC4018NV-4R7M	4.7	±20%	1V100K	50	0.07	2	1.9	2	1.9
HPC4018NV-6R8M	6.8	±20%	1V100K	40	0.098	1.7	1.6	1.7	1.6
HPC4018NV-100M	10	±20%	1V100K	35	0.15	1.5	1.4	1.5	1.4
HPC4018NV-150M	15	±20%	1V100K	25	0.19	1.1	1	1.1	1
HPC4018NV-220M	22	±20%	1V100K	20	0.29	0.9	0.8	0.9	0.8
HPC4018NV-330M	33	±20%	1V100K	12	0.405	0.75	0.7	0.75	0.7
HPC4018NV-470M	47	±20%	1V100K	10	0.55	0.6	0.55	0.6	0.55

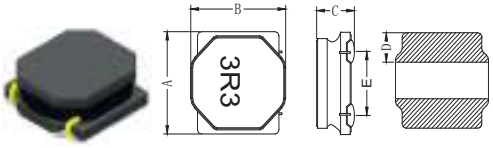
Note:

Isat：Based on inductance change （ΔL/L0：≦-30%）@ ambient temp. 25℃

Irms：Based on temperature rise （ΔT：40℃ typ.）

HPC 4018BM Series (1616 inch -55~+125)

■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80MAX
D	1.10±0.20
E	2.50±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	I sat (A) Max.	I rms (A) Typ.
HPC4018BMV-R56M	0.56	±20	1V/100K	19	5.00	4.50
HPC4018BMV-1R0Y	1.0	±30	1V/100K	27	4.00	3.20
HPC4018BMV-1R2Y	1.2	±30	1V/100K	30	3.70	2.80
HPC4018BMV-1R5Y	1.5	±30	1V/100K	37	3.30	2.40
HPC4018BMV-1R8M	1.8	±20	1V/100K	40	3.20	2.30
HPC4018BMV-2R2M	2.2	±20	1V/100K	42	3.00	2.20
HPC4018BMV-3R3M	3.3	±20	1V/100K	55	2.30	2.00
HPC4018BMV-4R7M	4.7	±20	1V/100K	70	2.00	1.70
HPC4018BMV-6R8M	6.8	±20	1V/100K	98	1.60	1.45
HPC4018BMV-7R5M	7.5	±20	1V/100K	120	1.50	1.35
HPC4018BMV-100M	10	±20	1V/100K	150	1.30	1.20
HPC4018BMV-150M	15	±20	1V/100K	210	1.10	0.85
HPC4018BMV-220M	22	±20	1V/100K	290	0.90	0.72
HPC4018BMV-330M	33	±20	1V/100K	460	0.70	0.55
HPC4018BMV-470M	47	±20	1V/100K	650	0.60	0.44
HPC4018BMV-680M	68	±20	1V/100K	1000	0.52	0.32
HPC4018BMV-101M	100	±20	1V/100K	1450	0.42	0.28
HPC4018BMV-151M	150	±20	1V/100K	2300	0.34	0.22
HPC4018BMV-221M	220	±20	1V/100K	3800	0.275	0.17

Note:

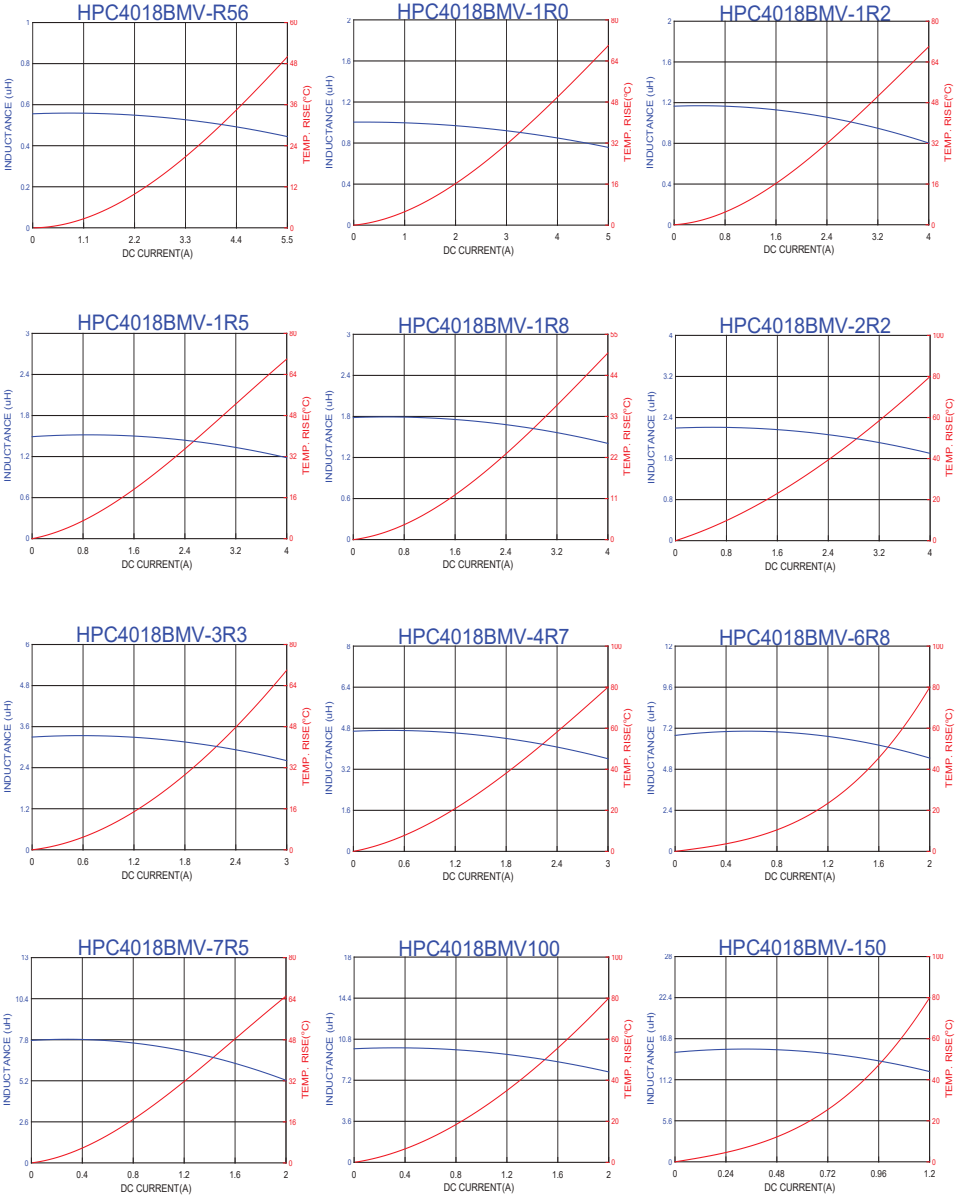
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

HPC 4018BM Series

(1616 inch -55~+125)

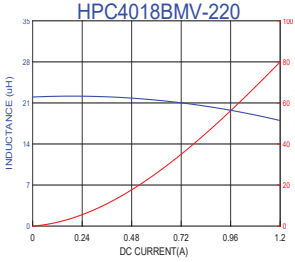
■ DC Bias Characteristics (Typical)



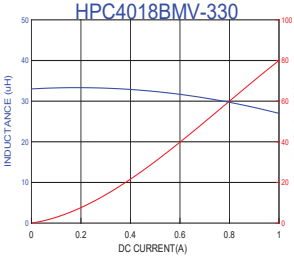
HPC 4018BM Series (1616 inch -55~+125)

■ DC Bias Characteristics (Typical)

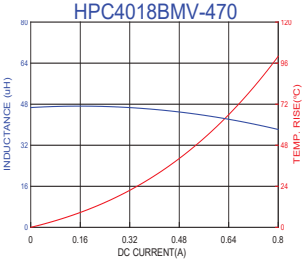
HPC4018BMV-220



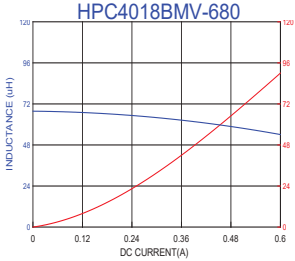
HPC4018BMV-330



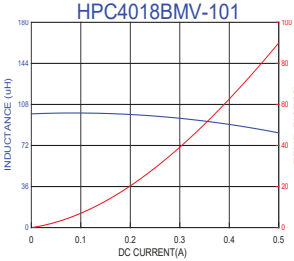
HPC4018BMV-470



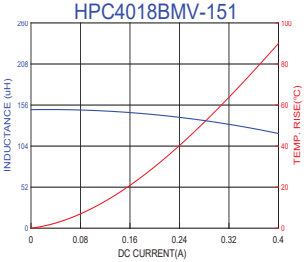
HPC4018BMV-680



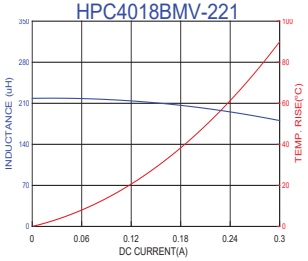
HPC4018BMV-101



HPC4018BMV-151



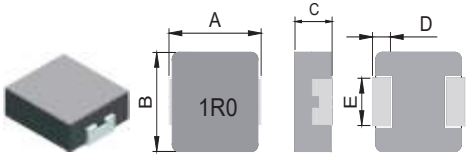
HPC4018BMV-221



TMPC 0402HP Series

(1616 inch -55 ~+125)

■ Dimensions



Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.80±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

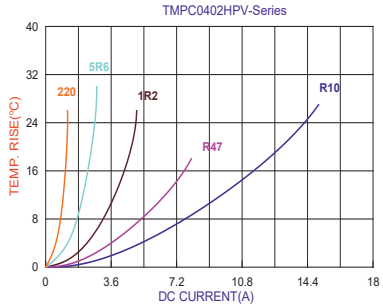
■ Specifications

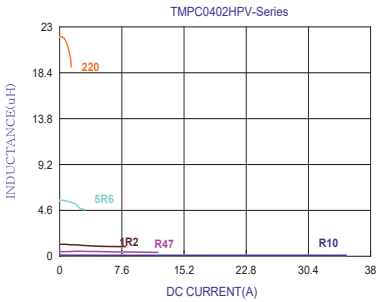
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0402HPV-R33MG	0.33	10.0	18.0	7.80	8.60
TMPC0402HPV-R47MG	0.47	8.00	12.0	11.2	14.0
TMPC0402HPV-R68MG	0.68	7.00	10.0	16.0	19.0
TMPC0402HPV-1R0MG	1.00	5.00	8.50	22.0	27.0
TMPC0402HPV-2R2MG	2.20	4.00	6.00	51.0	61.0
TMPC0402HPV-3R3MG	3.30	3.50	4.00	69.0	76.0
TMPC0402HPV-4R7MG	4.70	2.60	3.50	95.0	105
TMPC0402HPV-6R8MG	6.80	2.10	2.80	150	172
TMPC0402HPV-100MG	10.0	1.80	2.30	215	243
TMPC0402HPV-220MG	22.0	1.20	1.40	470	500

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

■ DC Bias Characteristics (Typical)

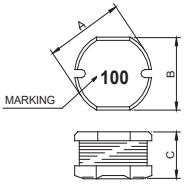




FPI 0403 BM Series

(1616 inch -55 ~+125)

■ Dimensions



Dimensions	A(mm)	B(mm)	C(mm)
FPI0403BMV	4.50±0.3	4.00±0.3	3.20±0.3

Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0403BMV-1R0M	1.0	± 20%	1V/7.96M	0.03	4.00
FPI 0403BMV-1R4M	1.4	± 20%	1V/7.96M	0.04	3.50
FPI 0403BMV-1R8M	1.8	± 20%	1V/7.96M	0.05	3.00
FPI 0403BMV-2R2M	2.2	± 20%	1V/7.96M	0.06	2.60
FPI 0403BMV-2R7M	2.7	± 20%	1V/7.96M	0.06	2.20
FPI 0403BMV-3R3M	3.3	± 20%	1V/7.96M	0.07	2.00
FPI 0403BMV-3R9M	3.9	± 20%	1V/7.96M	0.07	2.00
FPI 0403BMV-4R7M	4.7	± 20%	1V/7.96M	0.08	1.90
FPI 0403BMV-5R6M	5.6	± 20%	1V/7.96M	0.12	1.80
FPI 0403BMV-6R8M	6.8	± 20%	1V/7.96M	0.14	1.60
FPI 0403BMV-8R2M	8.2	± 20%	1V/7.96M	0.15	1.40
FPI 0403BMV-100M	10	± 20%	1V/2.52M	0.19	1.10
FPI 0403BMV-120M	12	± 20%	1V/2.52M	0.21	1.10
FPI 0403BMV-150M	15	± 20%	1V/2.52M	0.25	1.00
FPI 0403BMV-180M	18	± 20%	1V/2.52M	0.30	1.00
FPI 0403BMV-220M	22	± 20%	1V/2.52M	0.35	1.00
FPI 0403BMV-270M	27	± 20%	1V/2.52M	0.45	0.75
FPI 0403BMV-330M	33	± 20%	1V/2.52M	0.60	0.70
FPI 0403BMV-390M	39	± 20%	1V/2.52M	0.70	0.65
FPI 0403BMV-470M	47	± 20%	1V/2.52M	0.80	0.60
FPI 0403BMV-560M	56	± 20%	1V/2.52M	0.85	0.55
FPI 0403BMV-680M	68	± 20%	1V/2.52M	1.00	0.50
FPI 0403BMV-820M	82	± 20%	1V/2.52M	1.10	0.46
FPI 0403BMV-101M	100	± 20%	1V/1K	1.20	0.22
FPI 0403BMV-121M	120	± 20%	1V/1K	1.60	0.20

FPI 0403 BM Series (1616 inch -55 ~+125)

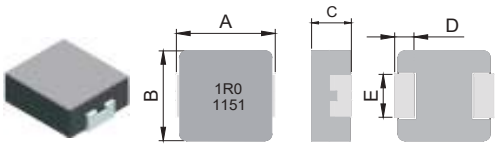
■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0403BMV-151M	150	± 20%	1V/1K	2.00	0.20
FPI 0403BMV-181M	180	± 20%	1V/1K	3.00	0.20
FPI 0403BMV-221M	220	± 20%	1V/1K	3.00	0.20
FPI 0403BMV-271M	270	± 20%	1V/1K	4.00	0.16
FPI 0403BMV-331M	330	± 20%	1V/1K	4.00	0.14
FPI 0403BMV-391M	390	± 20%	1V/1K	5.00	0.12
FPI 0403BMV-471M	470	± 20%	1V/1K	6.00	0.12
FPI 0403BMV-561M	560	± 20%	1V/1K	7.00	0.10

Note:
Based on inductance change （△L/L0：≦-35%）@ ambient temp. 25℃
Based on temperature rise （△T：40℃ typ.）

TMPC 0512HP Series (2020 inch -55~+125)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.00±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

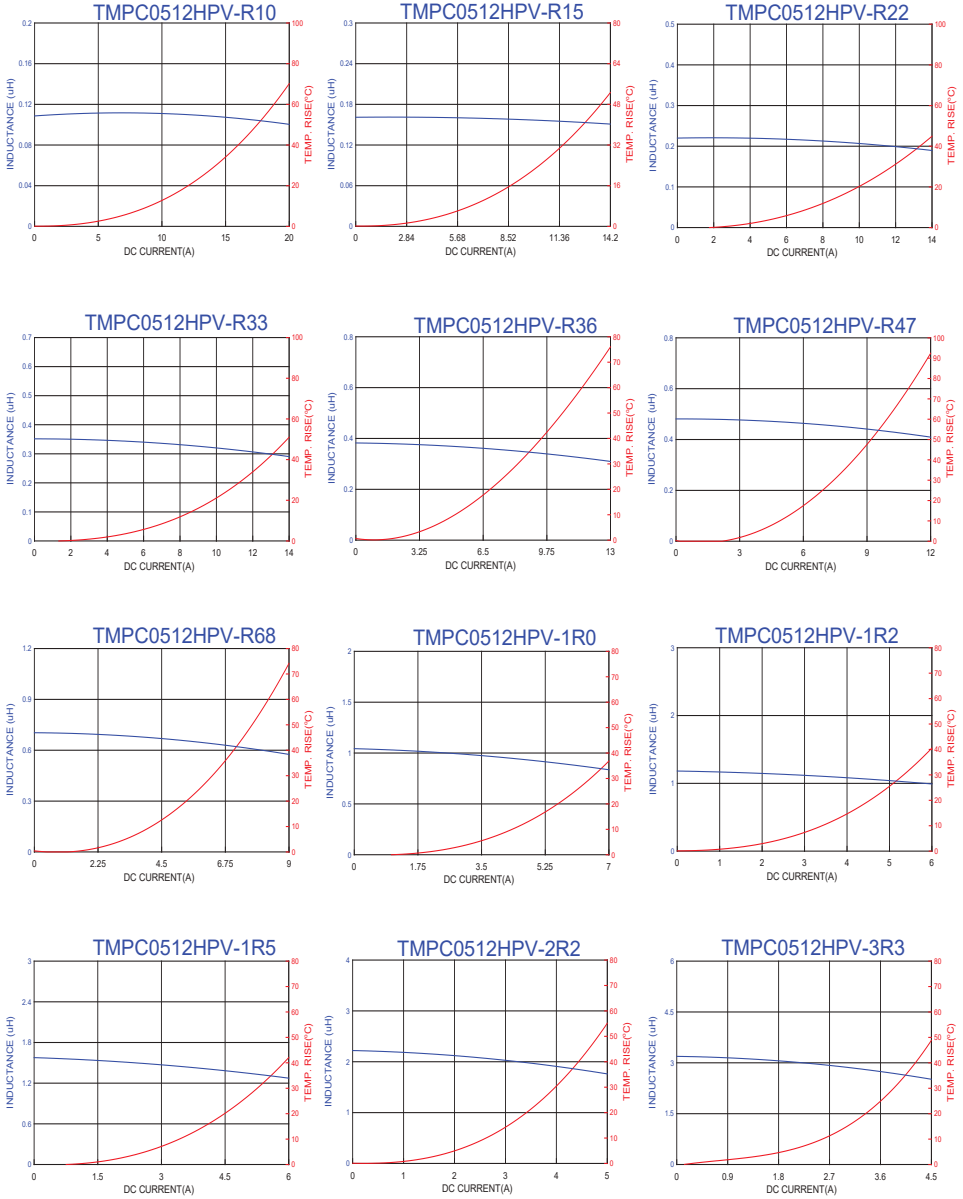
■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) typ.
TMPC0512HPV-R10YG-D	0.10	±30	1V/100K	4.3	5.2	14.5	14.0
TMPC0512HPV-R15YG-D	0.15	±30	1V/100K	4.5	6.0	14.2	12.0
TMPC0512HPV-R22YG-D	0.22	±30	1V/100K	5.5	6.7	14.0	10.7
TMPC0512HPV-R22MG-D	0.22	±20	1V/100K	5.5	6.7	14.0	10.7
TMPC0512HPV-R33MG-D	0.33	±20	1V/100K	7.8	9.4	13.5	8.5
TMPC0512HPV-R36MG-D	0.36	±20	1V/100K	10.0	11.5	13.0	8.0
TMPC0512HPV-R47MG-D	0.47	±20	1V/100K	13.6	15.8	11.0	7.0
TMPC0512HPV-R68MG-D	0.68	±20	1V/100K	21.5	24.5	9.0	6.0
TMPC0512HPV-1R0MG-D	1.00	±20	1V/100K	26	30	6.0	5.0
TMPC0512HPV-1R2MG-D	1.20	±20	1V/100K	33	40	5.5	4.5
TMPC0512HPV-1R5MG-D	1.50	±20	1V/100K	38	44	5.0	4.0
TMPC0512HPV-2R2MG-D	2.20	±20	1V/100K	65	75	4.0	3.5
TMPC0512HPV-3R3MG-D	3.30	±20	1V/100K	75	86	3.8	3.0
TMPC0512HPV-4R7MG-D	4.70	±20	1V/100K	100	115	3.2	2.5
TMPC0512HPV-5R6MG-D	5.60	±20	1V/100K	175	201	3.2	2.4
TMPC0512HPV-6R8MG-D	6.80	±20	1V/100K	193	222	3.0	2.0
TMPC0512HPV-8R2MG-D	8.20	±20	1V/100K	327	378	2.8	1.7
TMPC0512HPV-100MG-D	10.0	±20	1V/100K	335	385	1.8	1.5
TMPC0512HPV-150MG-D	15.0	±20	1V/100K	410	470	1.6	1.3

Note:
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

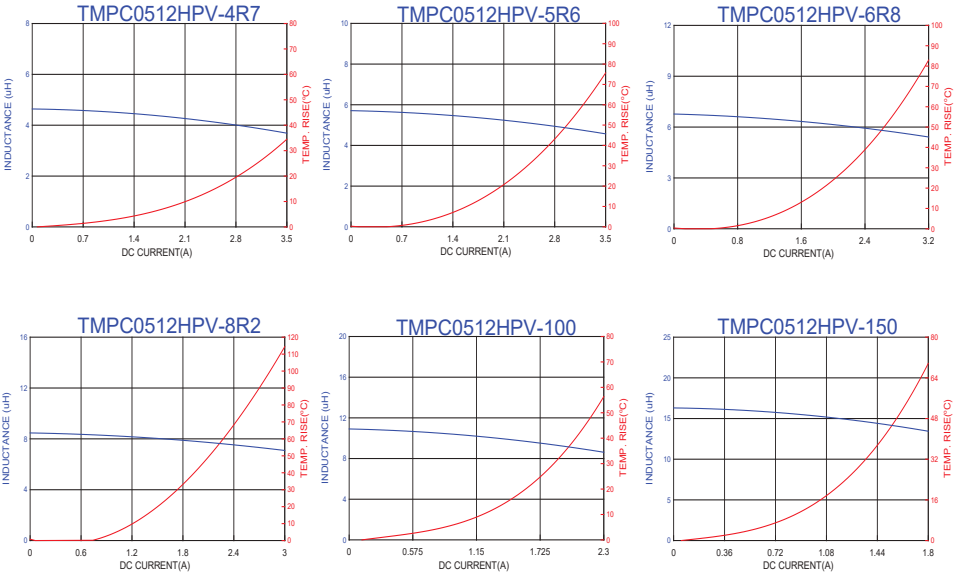
TMPC 0512HP Series (2020 inch -55~+125)

■ DC Bias Characteristics (Typical)



TMPC 0512HP Series (2020 inch -55~+125)

■ DC Bias Characteristics (Typical)



TMPC 0515HP Series (2020 inch -55~+125)

■ Dimensions

Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.30±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

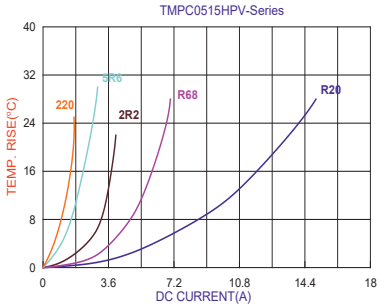
■ Specifications

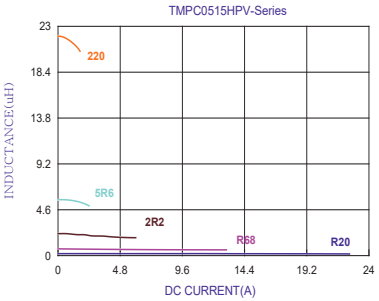
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0515HPV-R20YG	0.20±30%	15.0	22.5	3.80	4.20
TMPC0515HPV-R47MG	0.47	8.00	15.0	12.0	13.8
TMPC0515HPV-R68MG	0.68	7.00	13.0	14.0	16.2
TMPC0515HPV-1R0MG	1.00	6.00	9.00	22.0	25.3
TMPC0515HPV-2R2MG	2.20	4.00	6.00	45.0	52.0
TMPC0515HPV-3R3MG	3.30	3.20	4.50	78.0	90.0
TMPC0515HPV-4R7MG	4.70	2.70	4.00	103	118
TMPC0515HPV-5R6MG	5.60	2.40	3.20	126	152
TMPC0515HPV-6R8MG	6.80	2.30	3.00	142	171
TMPC0515HPV-100MG	10.0	2.00	2.30	210	235
TMPC0515HPV-220MG	22.0	1.20	1.70	405	466

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

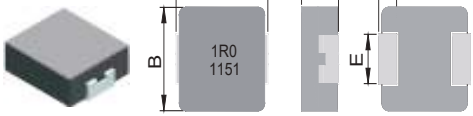
■ DC Bias Characteristics (Typical)





TMPC 0518HP Series (2020 inch -55~+125)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.60±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

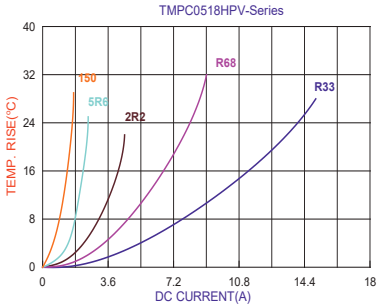
■ Specifications

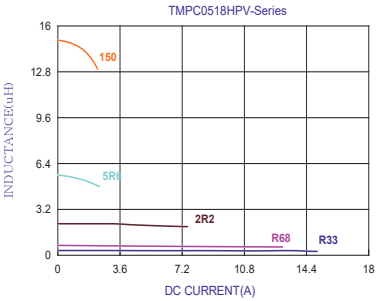
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) Typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0518HPV-R33MG	0.33	11.0	15.0	7.50	8.60
TMPC0518HPV-R47MG	0.47	10.0	14.0	9.80	11.3
TMPC0518HPV-R68MG	0.68	9.00	13.0	12.4	14.3
TMPC0518HPV-1R0MG	1.0	6.80	10.0	18.2	21.0
TMPC0518HPV-2R2MG	2.2	4.50	7.50	42.0	48.3
TMPC0518HPV-3R3MG	3.3	3.50	5.00	60.0	69.0
TMPC0518HPV-4R7MG	4.7	3.00	4.50	85.0	98.0
TMPC0518HPV-5R6MG	5.6	2.50	4.00	110	127
TMPC0518HPV-6R8MG	6.8	2.40	3.50	118	137
TMPC0518HPV-100MG	10.0	2.30	2.80	165	190
TMPC0518HPV-150MG	15.0	1.70	2.30	275	318

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃ .
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

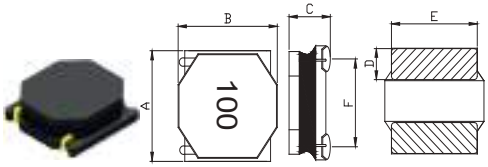
■ DC Bias Characteristics (Typical)





HPC 5020 N Series (2020 inch -55~+125)

■ Dimensions



Dimensions	
A	5.00±0.20
B	5.00±0.20
C	1.80±0.20
D	1.30±0.20
E	4.70±0.20
F	3.70 ref.

Units: mm

■ Specifications

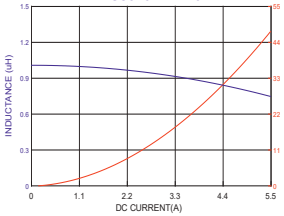
Part Number	Inductance (uH)	Tolerance	Rated current		DCR (mΩ) @25℃ ±20%.
			Temperature current I rms (A)	Saturation current I sat (A)	
HPC5020NV-1R0Y	1.00	±30%	4.10	5.00	20
HPC5020NV-1R2Y	1.20	±30%	3.80	4.80	20
HPC5020NV-1R5Y	1.50	±30%	3.50	4.50	25
HPC5020NV-2R2M	2.20	±20%	3.30	4.10	32
HPC5020NV-2R7M	2.70	±20%	3.00	3.80	38
HPC5020NV-3R3M	3.30	±20%	2.80	3.50	43
HPC5020NV-4R7M	4.70	±20%	2.40	2.70	60
HPC5020NV-5R6M	5.60	±20%	2.10	2.40	69
HPC5020NV-6R8M	6.80	±20%	1.90	2.10	90
HPC5020NV-8R2M	8.20	±20%	1.75	1.90	98
HPC5020NV-100M	10.0	±20%	1.60	1.70	110
HPC5020NV-120M	12.0	±20%	1.40	1.40	135
HPC5020NV-150M	15.0	±20%	1.25	1.30	165
HPC5020NV-180M	18.0	±20%	1.17	1.20	190
HPC5020NV-220M	22.0	±20%	1.10	1.10	225
HPC5020NV-330M	33.0	±20%	0.80	0.80	335
HPC5020NV-470M	47.0	±20%	0.70	0.70	460

Note:
1. All test data referenced to 25℃ ambient , Ls:100KHz/1V.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
3. Saturation Current (Isat) will cause L0 to drop approximately 30%

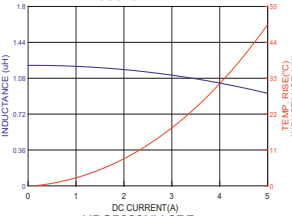
HPC 5020 N Series (2020 inch -55~+125)

■ DC Bias Characteristics (Typical)

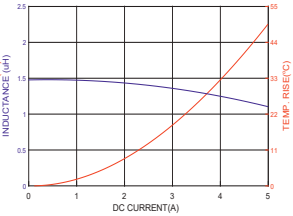
HPC5020NV-1R0



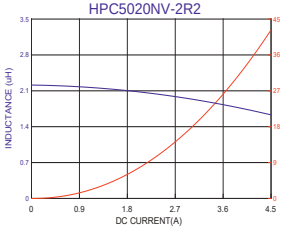
HPC5020NV-1R2



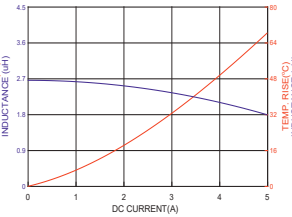
HPC5020NV-1R5



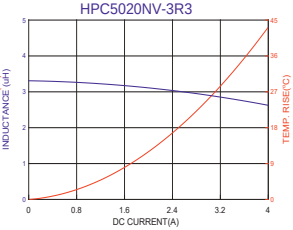
HPC5020NV-2R2



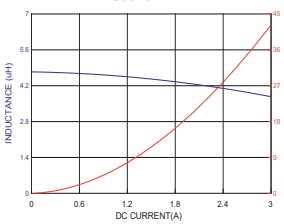
HPC5020NV-2R7



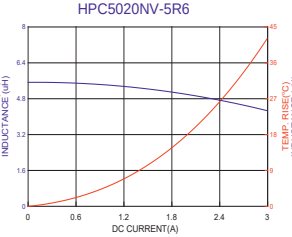
HPC5020NV-3R3



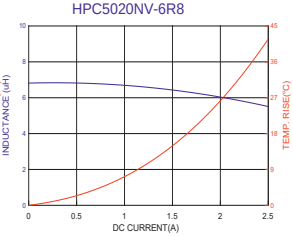
HPC5020NV-4R7



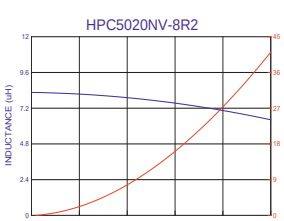
HPC5020NV-5R6



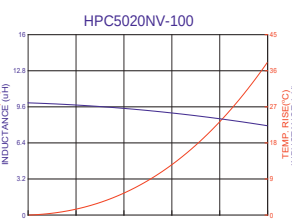
HPC5020NV-6R8



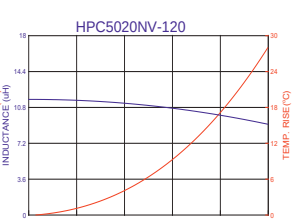
HPC5020NV-8R2



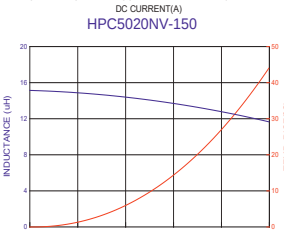
HPC5020NV-100



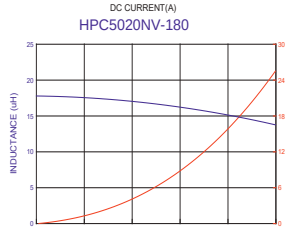
HPC5020NV-120



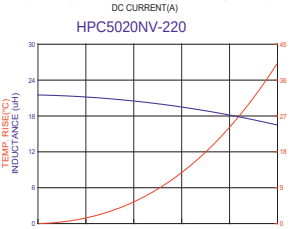
HPC5020NV-150



HPC5020NV-180

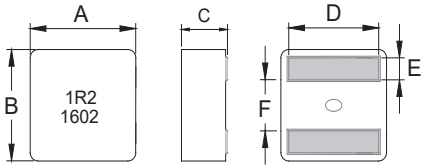


HPC5020NV-220



TMPF 0502A Series (2020 inch -55~+150)

■ Dimensions



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
TMPF0502A	5.5±0.2	5.3±0.2	1.9±0.2	4.3±0.3	1.1±0.2	2.3±0.25

■ Specifications

Part Number	Inductance (uH) ±20% @ 0 A	I rms(A) Typ		I sat(A)		DCR(mΩ) Typ.	DCR(mΩ) Max.
		20℃ rise	40℃ rise	Typ	Max		
TMPF0502AV-R15MN	0.15	13.9	18.8	30.0	27.0	4.00	4.60
TMPF0502AV-R16MN	0.16	13.9	18.8	30.0	27.0	4.00	4.60
TMPF0502AV-R33MN	0.33	10.5	14.4	26.0	24.0	6.10	7.00
TMPF0502AV-R47MN	0.47	10.1	14.1	22.0	20.0	7.00	8.05
TMPF0502AV-R56MN	0.56	9.9	13.9	19.0	16.0	8.70	9.54
TMPF0502AV-R68MN	0.68	9.6	13.4	16.0	14.0	8.90	10.2
TMPF0502AV-R80MN	0.80	9.4	13.0	15.5	13.5	10.3	11.8
TMPF0502AV-R82MN	0.82	8.5	12.0	15.0	13.0	11.0	12.7
TMPF0502AV-1R0MN	1.00	7.5	10.5	14.5	12.8	12.0	13.8
TMPF0502AV-1R2MN	1.20	6.8	9.40	14.0	12.2	14.2	16.3
TMPF0502AV-1R5MN	1.50	6.4	8.80	13.3	11.7	16.2	18.7

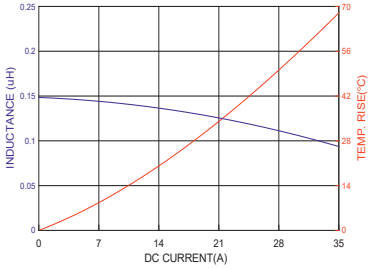
Note:

1. Test frequency : L : 100KHz /0.1V.
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L/Q: HP4284A,HP4395A,CH11025,CH3302,CH1320 ,CH1320S LCR METER / Rdc:CH16502,Agilent33420A MICRO OHM METER,or EQU.
4. Current that causes the specified temperature rise from 25℃ ambient.
5. Saturation Current (Isat) will cause L0 to drop approximately 30%.

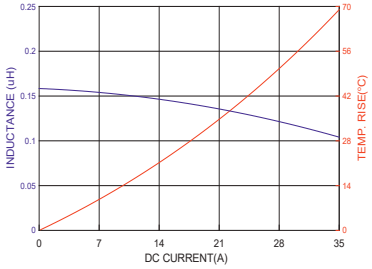
TMPF 0502A Series (2020 inch -55~+150)

■ DC Bias Characteristics (Typical)

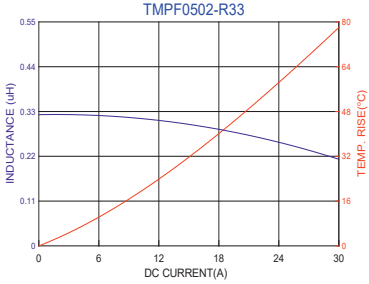
TMPF0502-R15



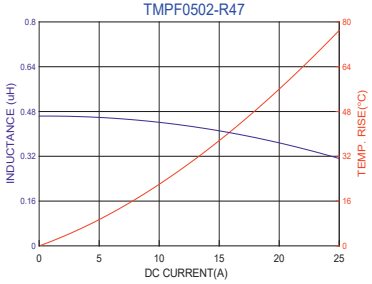
TMPF0502-R16



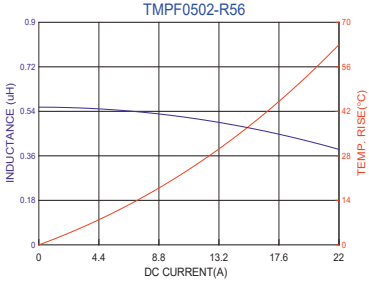
TMPF0502-R33



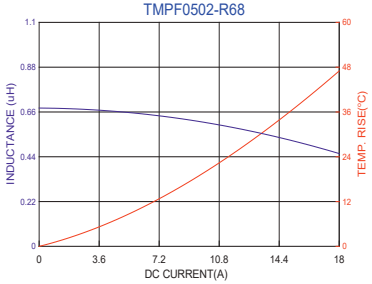
TMPF0502-R47



TMPF0502-R56

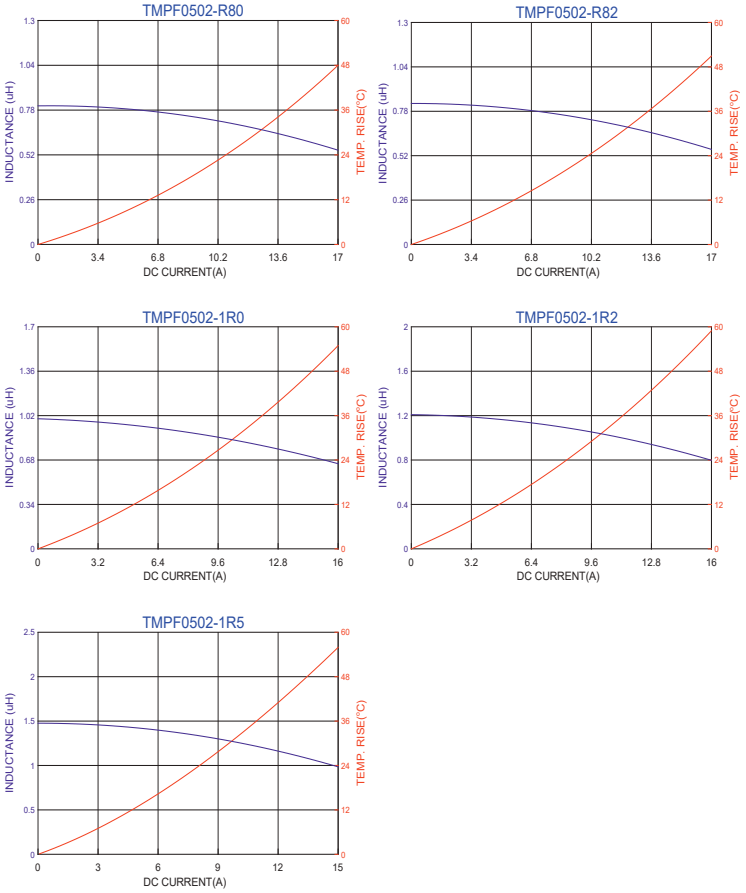


TMPF0502-R68



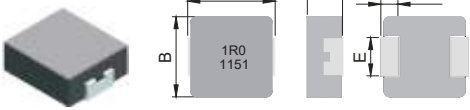
TMPF 0502A Series (2020 inch -55~+150)

■ DC Bias Characteristics (Typical)



TMPC 0502HP Series (2020 inch -55~+125)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.80±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) typ
TMPC0502HPV-R10YG-D	0.10	±30	1V/100K	3.6	4.0	45	18
TMPC0502HPV-R15YG-D	0.15	±30	1V/100K	3.8	4.6	27	16
TMPC0502HPV-R22MG-D	0.22	±20	1V/100K	4.0	5.5	25	15
TMPC0502HPV-R24MG-D	0.24	±20	1V/100K	6.0	7.0	23	13
TMPC0502HPV-R33MG-D	0.33	±20	1V/100K	6.3	7.3	21.3	12
TMPC0502HPV-R47MG-D	0.47	±20	1V/100K	7.3	8.6	18	11.5
TMPC0502HPV-R68MG-D	0.68	±20	1V/100K	11	12.4	12.8	10
TMPC0502HPV-1R0MG-D	1.00	±20	1V/100K	17.5	20	13.7	7.0
TMPC0502HPV-1R2MG-D	1.20	±20	1V/100K	23	28	11.0	6.2
TMPC0502HPV-1R5MG-D	1.50	±20	1V/100K	26.5	30.5	9.8	5.5
TMPC0502HPV-2R2MG-D	2.20	±20	1V/100K	42.0	50.0	9.0	4.2
TMPC0502HPV-3R3MG-D	3.30	±20	1V/100K	66.0	76	7.3	3.3
TMPC0502HPV-4R7MG-D	4.70	±20	1V/100K	103	116	5.0	2.8
TMPC0502HPV-5R6MG-D	5.60	±20	1V/100K	112	122	4.0	2.5
TMPC0502HPV-6R8MG-D	6.80	±20	1V/100K	130	150	3.8	2.4
TMPC0502HPV-8R2MG-D	8.20	±20	1V/100K	148	171	3.5	2.3
TMPC0502HPV-100MG-D	10.0	±20	1V/100K	180	199	3.4	2.3
TMPC0502HPV-150MG-D	15.0	±20	1V/100K	240	270	2.8	1.9
TMPC0502HPV-220MG-D	22.0	±20	1V/100K	350	390	1.8	1.5

Note:

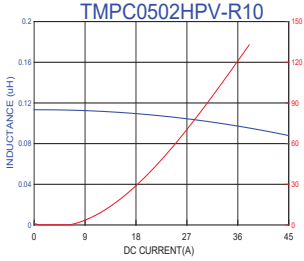
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

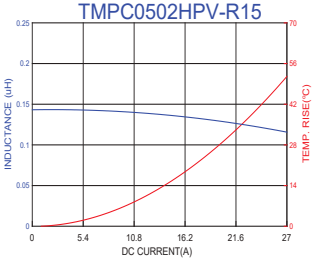
TMPC 0502HP Series (2020 inch -55~+125)

■ DC Bias Characteristics (Typical)

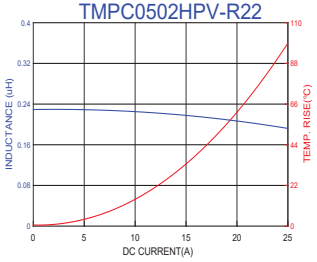
TMPC0502HPV-R10



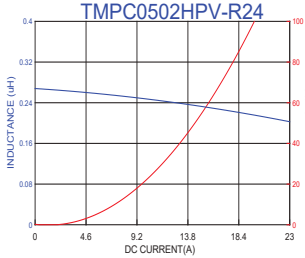
TMPC0502HPV-R15



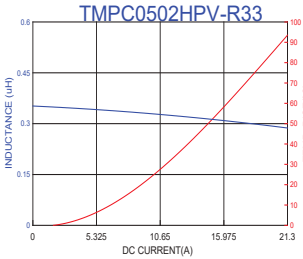
TMPC0502HPV-R22



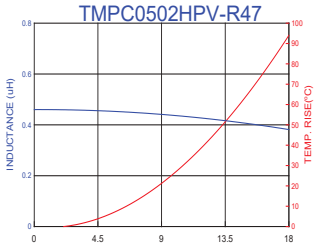
TMPC0502HPV-R24



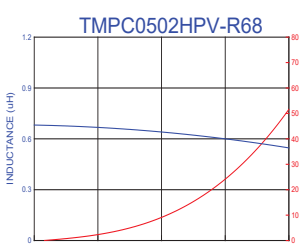
TMPC0502HPV-R33



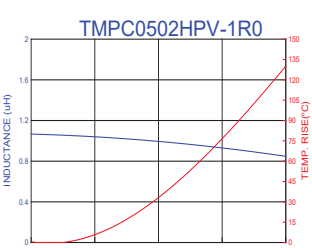
TMPC0502HPV-R47



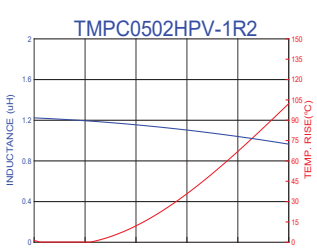
TMPC0502HPV-R68



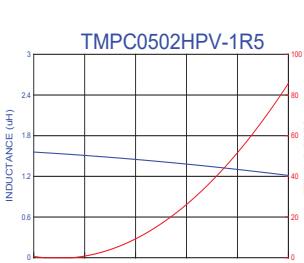
TMPC0502HPV-1R0



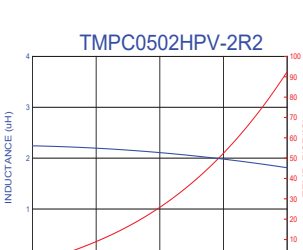
TMPC0502HPV-1R2



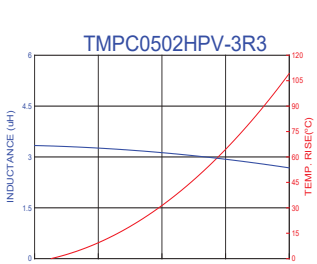
TMPC0502HPV-1R5



TMPC0502HPV-2R2

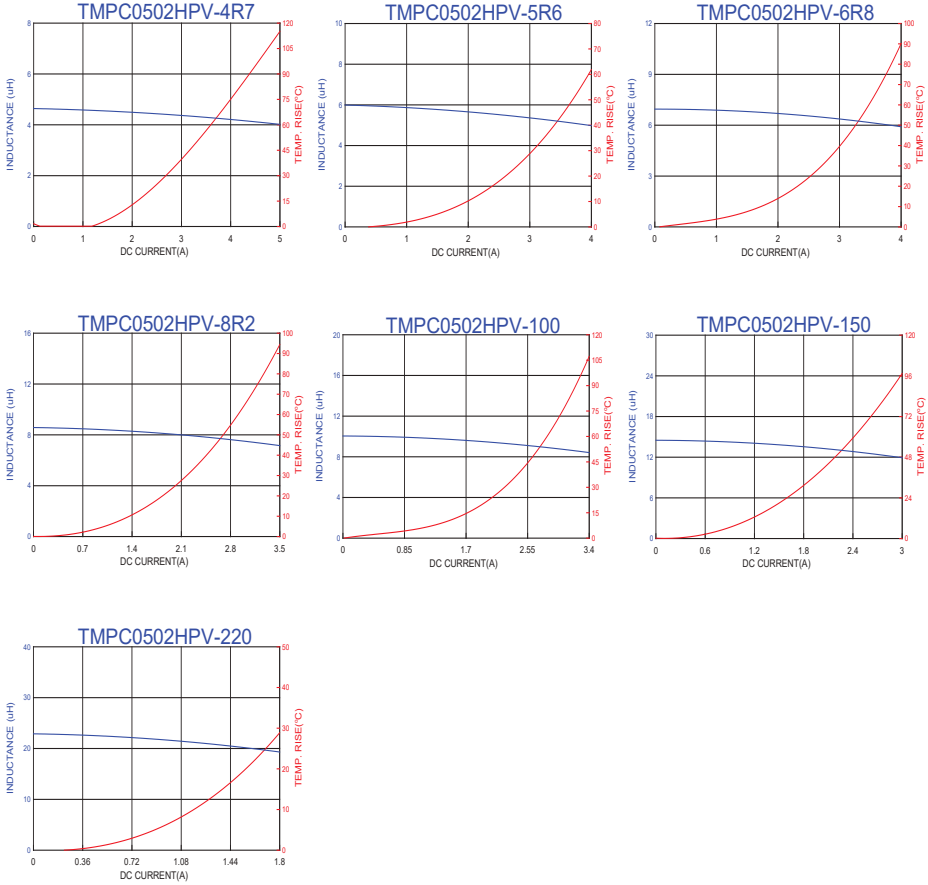


TMPC0502HPV-3R3



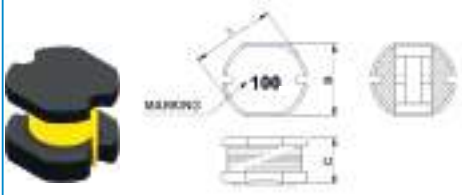
TMPC 0502HP Series (2020 inch -55~+125)

■ DC Bias Characteristics (Typical)



FPI 0503BM Series (2020 inch -55~+125)

■ Dimensions



Dimensions	A(mm)	B(mm)	C(mm)
FPI0503	5.80±0.3	5.20±0.3	3.00±0.3

Units: mm

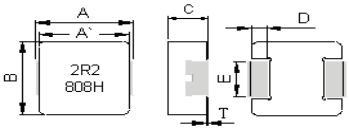
■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	Isat (A) max.	Irms (A) max.
FPI0503BMV-1R5M	1.50	± 20%	1V/100K	37	4.10	4.10
FPI0503BMV-1R8M	1.80	± 20%	1V/7.96M	50	4.00	2.80
FPI0503BMV-4R7M	4.70	± 20%	1V/7.96M	130	1.30	1.30
FPI0503BMV-6R8M	6.80	± 20%	1V/7.96M	71	1.87	1.87
FPI0503BMV-8R2M	8.20	± 20%	1V/7.96M	100	2.00	2.00
FPI0503BMV-100M	10.0	± 20%	1V/2.52M	200	1.90	1.90
FPI0503BMV-330M	33.0	± 20%	1V/2.52M	450	1.40	1.40

Note:
Based on inductance change （△L/L0：≦-35%）@ ambient temp. 25℃
Based on temperature rise （△T：40℃ typ.）

TMHC 0503S Series (2020 inch -55~+150)

■ Dimensions



Dimensions	
A	5.7±0.30
A`	5.2±0.30
B	5.2±0.20
C	2.8±0.20
D	1.0±0.30
E	2.0±0.20
T	0~0.15

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC0503SV-R10YN-D	0.10	±30	1V/100K	2.5	3.0	33	29	25.0	22.0
TMHC0503SV-R12YN-D	0.12	±30	1V/100K	2.5	3.0	31	28	23.0	20.0
TMHC0503SV-R15YN-D	0.15	±30	1V/100K	2.6	3.2	30	27	22.0	19.0
TMHC0503SV-R33MN-D	0.33	±20	1V/100K	4.4	5.0	20	17	17.0	15.0
TMHC0503SV-R47MN-D	0.47	±20	1V/100K	6.4	7.4	17	15	16.0	14.0
TMHC0503SV-R68MN-D	0.68	±20	1V/100K	8.7	10	15	14	12.0	10.0
TMHC0503SV-1R0MN-D	1.00	±20	1V/100K	12	14	12	11	10.0	9.0
TMHC0503SV-1R5MN-D	1.50	±20	1V/100K	16	19	10.5	9.5	8.0	7.0
TMHC0503SV-2R2MN-D	2.20	±20	1V/100K	26	32	8.0	7.0	7.0	6.0
TMHC0503SV-3R3MN-D	3.30	±20	1V/100K	33	38	7.0	6.0	5.0	4.2
TMHC0503SV-4R7MN-D	4.70	±20	1V/100K	50	53	6.0	5.0	4.0	3.5
TMHC0503SV-5R6MN-D	5.60	±20	1V/100K	55	63	5.0	4.5	3.6	3.1
TMHC0503SV-6R8MN-D	6.80	±20	1V/100K	63	72	4.0	3.5	3.3	2.8
TMHC0503SV-100MN-D	10.0	±20	1V/100K	102	122	2.8	2.2	2.8	2.2

Note:

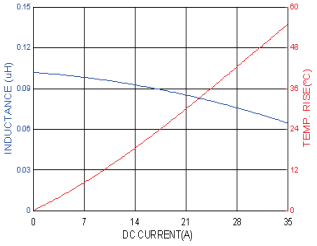
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

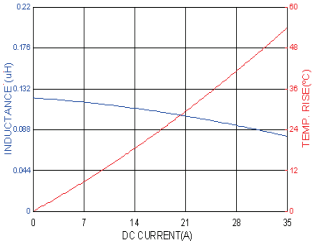
TMHC 0503S Series (2020 inch -55~+150)

■ DC Bias Characteristics (Typical)

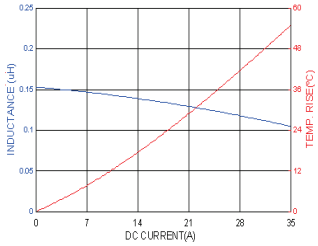
TMHC0503SV-R10



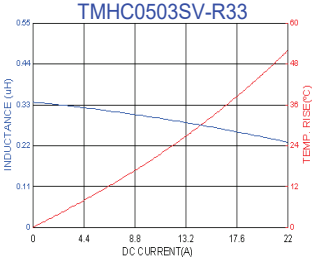
TMHC0503SV-R12



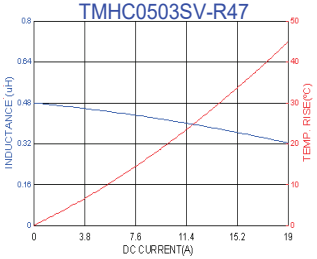
TMHC0503SV-R15



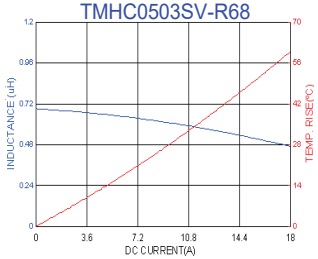
TMHC0503SV-R33



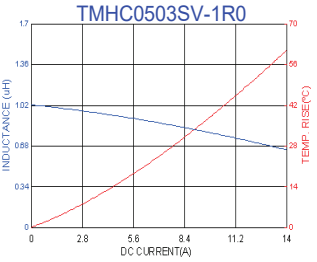
TMHC0503SV-R47



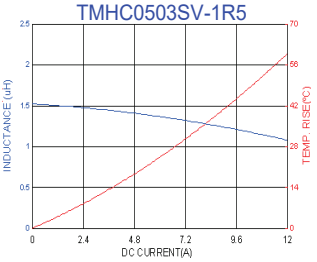
TMHC0503SV-R68



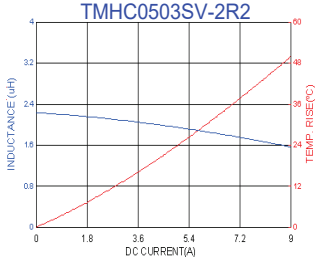
TMHC0503SV-1R0



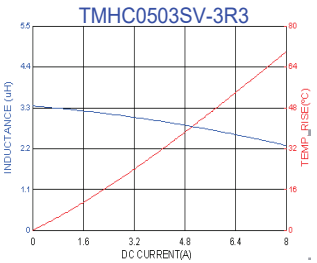
TMHC0503SV-1R5



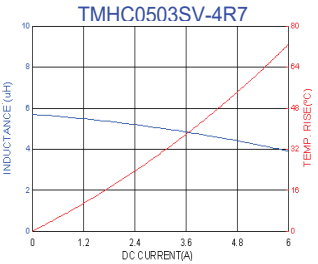
TMHC0503SV-2R2



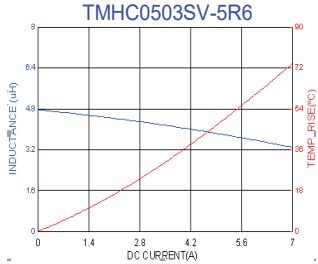
TMHC0503SV-3R3



TMHC0503SV-4R7



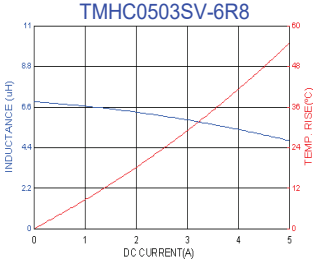
TMHC0503SV-5R6



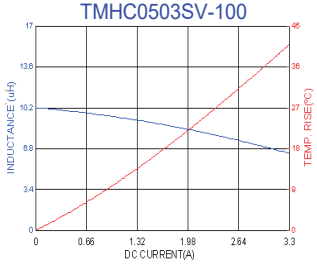
TMHC 0503S Series (2020 inch -55~+150)

■ DC Bias Characteristics (Typical)

TMHC0503SV-6R8

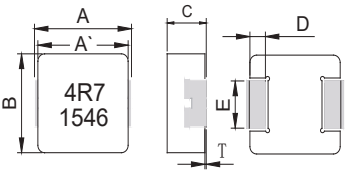


TMHC0503SV-100



TMPA 0503S Series (2020 inch -55~+150)

■ Dimensions



Series	A	A`	B	C	D	E	T
TMPA0503	5.7±0.3	5.2±0.3	5.2±0.2	2.8±0.2	1.0±0.3	2.0±0.2	0~0.15

Units: mm

■ Specifications

Part Number	Inductance L0 A(uH) ±20%	Heat Rating Current DC Typ (A) Irms.		Saturation Current DC Typ (A) Isat		DCR (mΩ) Typ	DCR (mΩ) Max
		Typ	Max	Typ	Max		
TMPA0503SV-R47MN	0.47	13.5	12	10	9.0	5.2	6.0
TMPA0503SV-R68MN	0.68	12.5	11	9.0	8.0	7.4	8.5
TMPA0503SV-R82MN	0.82	10	9.0	8.8	7.7	8.0	9.2
TMPA0503SV-1R0MN	1.00	9.0	8.0	8.5	7.5	10.5	12.0
TMPA0503SV-1R5MN	1.50	8.0	7.0	7.5	6.5	13.6	15.7
TMPA0503SV-2R2MN	2.20	7.0	6.5	6.5	5.8	21.6	25
TMPA0503SV-3R3MN	3.30	6.3	5.8	6.0	5.3	28	33
TMPA0503SV-4R7MN	4.70	5.5	4.8	5.3	4.6	38	44
TMPA0503SV-5R6MN	5.60	5.0	4.3	4.6	4.0	50	58
TMPA0503SV-6R8MN	6.80	4.3	3.7	3.5	3.1	57	66
TMPA0503SV-100MN	10.0	3.8	3.4	2.5	2.1	88	103

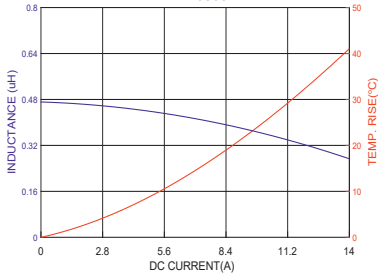
Note:

1. Test frequency : Ls : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
4. Saturation Current (Isat) will cause L0 to drop approximately 30%.

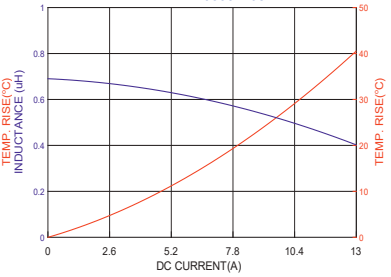
TMPA 0503S Series (2020 inch -55~+150)

■ DC Bias Characteristics (Typical)

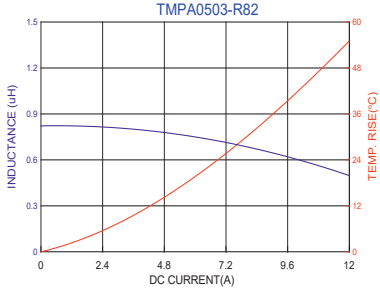
TMPA0503-R47



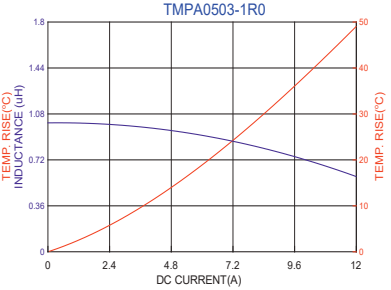
TMPA0503-R68



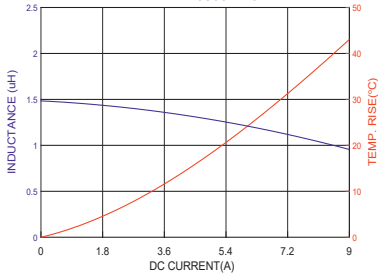
TMPA0503-R82



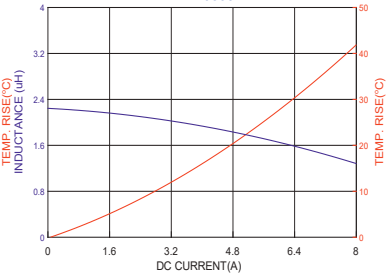
TMPA0503-1R0



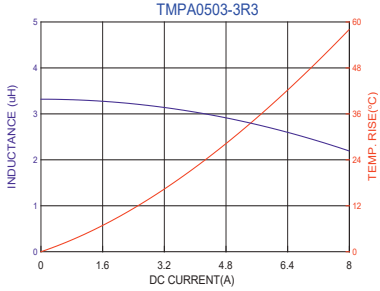
TMPA0503-1R5



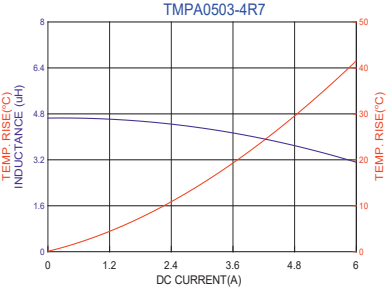
TMPA0503-2R2



TMPA0503-3R3

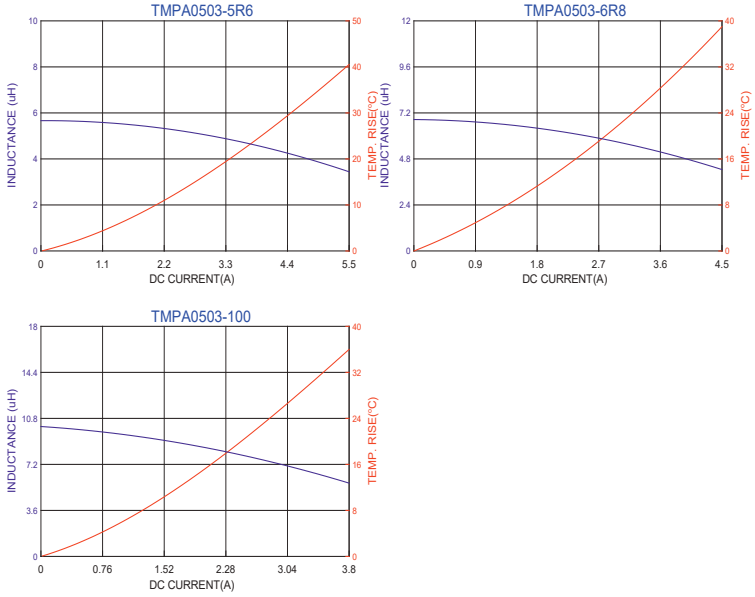


TMPA0503-4R7



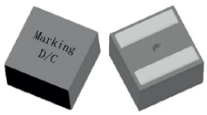
TMPA 0503S Series (2020 inch -55~+150)

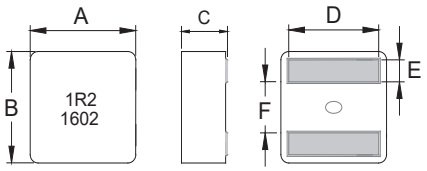
■ DC Bias Characteristics (Typical)



TMPF 0503A Series (2020 inch -55~+150)

■ Dimensions





Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
TMPF0503A	5.5±0.2	5.3±0.2	2.9±0.2	4.3±0.3	1.1±0.2	2.3±0.25

■ Specifications

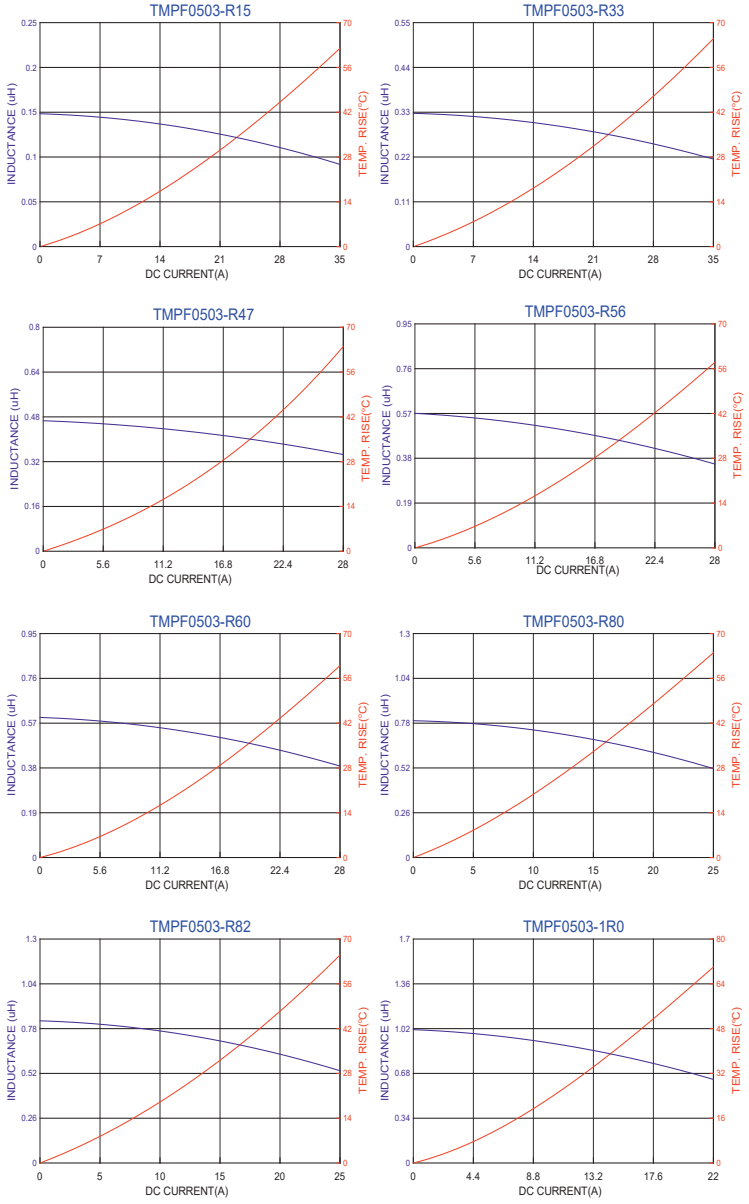
Part Number	Inductance (uH) ±20% @ 0 A	I rms(A) Typ		I sat(A)		DCR(mΩ) Typ.	DCR(mΩ) Max.
		20℃ rise	40℃ rise	Typ	Max		
TMPF0503AV-R15MN	0.15	14.3	22.2	36.0	32.5	2.10	2.31
TMPF0503AV-R16MN	0.16	14.2	22.2	35.0	32.0	2.12	2.33
TMPF0503AV-R33MN	0.33	13.8	19.2	28.0	26.0	3.20	3.52
TMPF0503AV-R47MN	0.47	13.7	18.4	26.0	24.0	3.75	4.13
TMPF0503AV-R56MN	0.56	13.6	17.7	22.2	20.2	4.05	4.52
TMPF0503AV-R60MN	0.60	13.6	17.7	22.0	20.0	4.11	4.52
TMPF0503AV-R80MN	0.80	10.1	13.1	20.0	18.0	5.14	5.65
TMPF0503AV-R82MN	0.82	9.90	12.9	19.7	17.6	5.25	5.78
TMPF0503AV-1R0MN	1.00	9.00	12.2	16.5	14.3	6.90	7.60
TMPF0503AV-1R2MN	1.20	8.50	11.0	15.0	13.5	8.80	9.70
TMPF0503AV-1R5MN	1.50	8.00	10.5	14.0	12.5	10.1	11.2
TMPF0503AV-1R8MN	1.80	7.60	10.1	12.3	11.3	11.5	12.7
TMPF0503AV-2R2MN	2.20	7.20	9.70	10.0	9.0	13.2	14.5
TMPF0503AV-3R3MN	3.30	5.90	8.10	9.5	8.7	21.0	23.1
TMPF0503AV-4R7MN	4.70	4.30	5.90	8.2	7.0	33.0	36.3

Note:

1. Test frequency : L : 100KHz /0.1V.
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L/Q: HP4284A,HP4395A,CH11025,CH3302,CH1320 ,CH1320S LCR METER / Rdc:CH16502, Agilent33420A MICRO OHM METER ,or EQU.
4. Current that causes the specified temperature rise from 25℃ ambient.
5. Saturation Current (Isat) will cause L0 to drop approximately 30%.

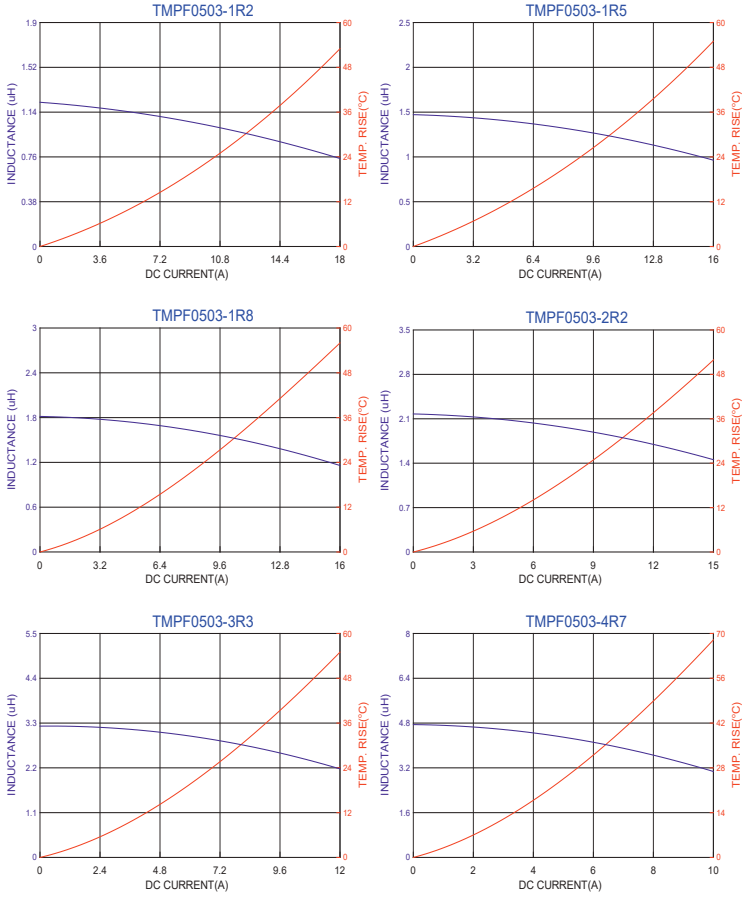
TMPF 0503A Series (2020 inch -55~+150)

■ DC Bias Characteristics (Typical)



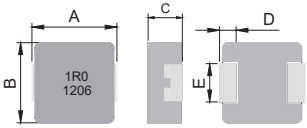
TMPF 0503A Series (2020 inch -55~+150)

■ DC Bias Characteristics (Typical)



TMPC 0503HP Series (2020 inch -55~+125)

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) typ.
TMPC0503HPV-R10YG-D	0.10	±30	1V/100K	2.5	3.0	27	23
TMPC0503HPV-R22MG-D	0.22	±20	1V/100K	3.7	4.4	21	15.5
TMPC0503HPV-R33MG-D	0.33	±20	1V/100K	4.5	5.2	19	13.7
TMPC0503HPV-R47MG-D	0.47	±20	1V/100K	6.7	7.1	16	12.2
TMPC0503HPV-R68MG-D	0.68	±20	1V/100K	8.2	9.0	13.5	10.2
TMPC0503HPV-R82MG-D	0.82	±20	1V/100K	10.2	11.9	13	9.3
TMPC0503HPV-1R0MG-D	1.00	±20	1V/100K	12.6	13.7	12	8.8
TMPC0503HPV-1R2MG-D	1.20	±20	1V/100K	13	17	11.5	8.0
TMPC0503HPV-1R5MG-D	1.50	±20	1V/100K	18.7	20.7	11	7.2
TMPC0503HPV-2R2MG-D	2.20	±20	1V/100K	25	29.2	10	5.8
TMPC0503HPV-3R3MG-D	3.30	±20	1V/100K	41	49.2	8.5	5.0
TMPC0503HPV-4R7MG-D	4.70	±20	1V/100K	71	77.5	8.2	3.5
TMPC0503HPV-5R6MG-D	5.60	±20	1V/100K	88.5	102	7.0	3.0
TMPC0503HPV-6R8MG-D	6.80	±20	1V/100K	96	112	6.0	2.8
TMPC0503HPV-8R2MG-D	8.20	±20	1V/100K	99	114	4.5	2.6
TMPC0503HPV-100MG-D	10.0	±20	1V/100K	112	130	4.0	2.5
TMPC0503HPV-150MG-D	15.0	±20	1V/100K	210	242	2.5	1.9

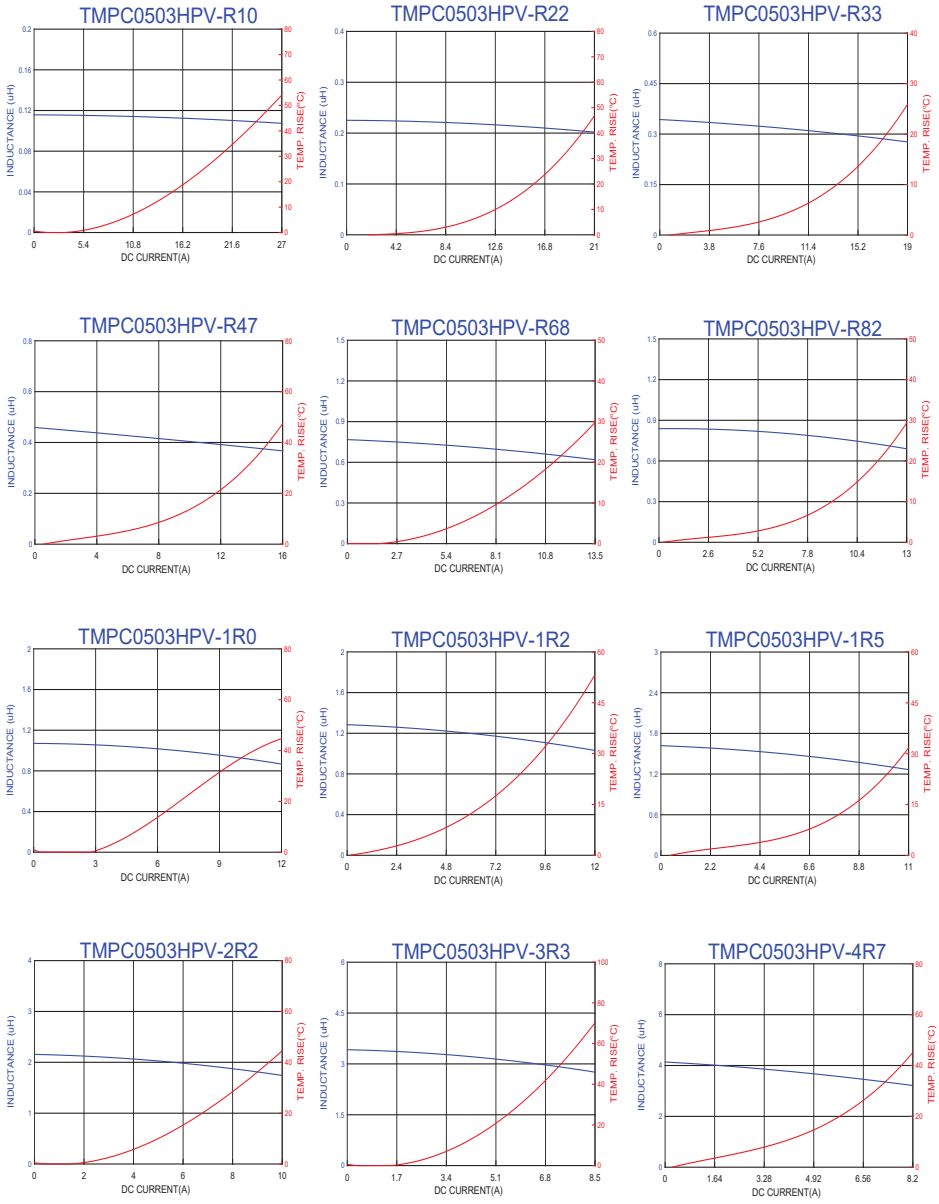
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMPC 0503HP Series (2020 inch -55~+125)

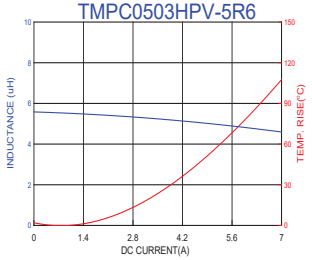
■ DC Bias Characteristics (Typical)



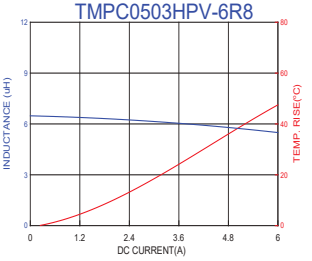
TMPC 0503HP Series (2020 inch -55~+125)

■ DC Bias Characteristics (Typical)

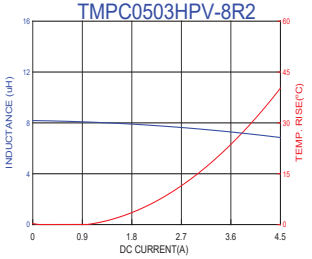
TMPC0503HPV-5R6



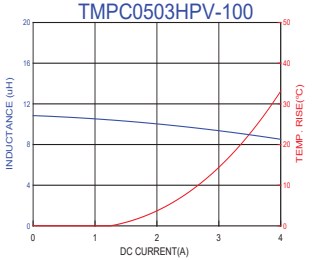
TMPC0503HPV-6R8



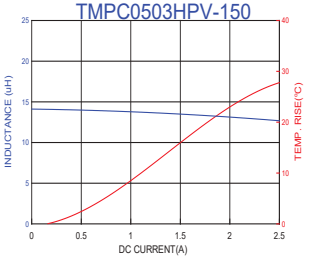
TMPC0503HPV-8R2



TMPC0503HPV-100

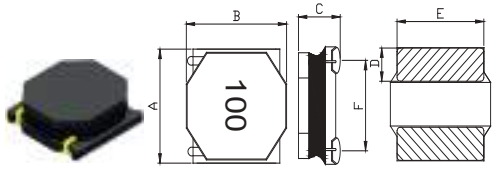


TMPC0503HPV-150



HPC 5040N Series (2020 inch -55~+125)

■ Dimensions



Dimensions		
A	4.95±0.20	
B	4.95±0.20	
C	*1 3.90±0.20	*2 3.80±0.20
D	1.30±0.30	
E	4.20±0.20	
F	3.70 ref.	

Units: mm

*1 ≤10 uH
*2 >10 uH

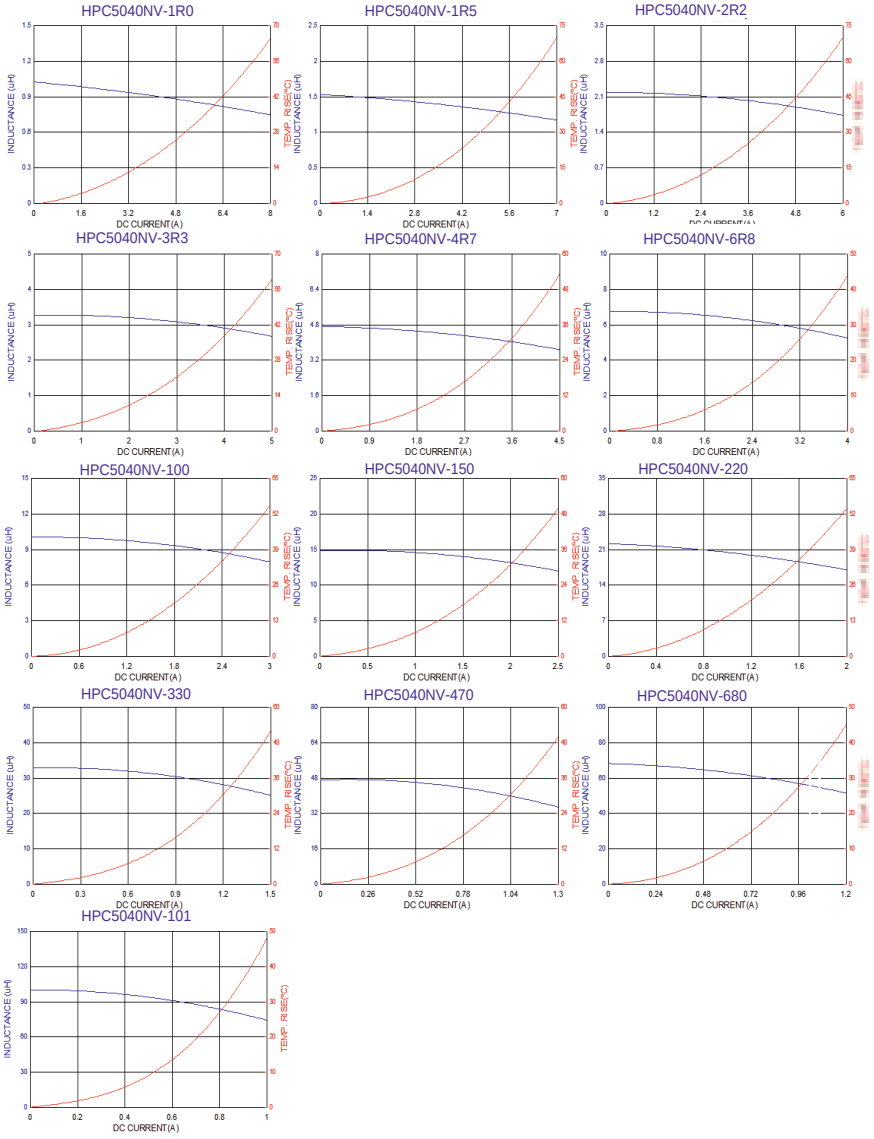
■ Specifications

Part Number	Inductance (uH)	Tolerance				Rated current		DCR (mΩ) @25℃ ±20%.
		K	L	M	Y	Temperature current I rms (A)	Saturation current I sat (A)	
HPC5040NV-1R0	1.00	/	/	±20%	±30%	5.00	7.50	12
HPC5040NV-1R5	1.50	/	/	±20%	±30%	4.50	6.50	15
HPC5040NV-2R2	2.20	/	/	±20%	±30%	3.80	5.70	21
HPC5040NV-3R3	3.30	/	/	±20%	±30%	3.50	4.40	24
HPC5040NV-4R7	4.70	/	/	±20%	±30%	3.20	3.90	32
HPC5040NV-6R8	6.80	/	/	±20%	±30%	2.50	3.30	43
HPC5040NV-100	10.0	/	/	±20%	±30%	2.20	2.52	56
HPC5040NV-150	15.0	/	±15%	±20%	±30%	1.80	2.00	80
HPC5040NV-220	22.0	/	±15%	±20%	±30%	1.50	1.62	123
HPC5040NV-330	33.0	/	±15%	±20%	±30%	1.20	1.30	180
HPC5040NV-470	47.0	±10%	±15%	±20%	±30%	1.00	1.10	270
HPC5040NV-680	68.0	±10%	±15%	±20%	±30%	0.80	0.90	400
HPC5040NV-101	100	±10%	±15%	±20%	±30%	0.72	0.75	560

Note:
1. All test data referenced to 25℃ ambient , Ls:100KHz/1V.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
3. Saturation Current (Isat) will cause L0 to drop approximately 30%

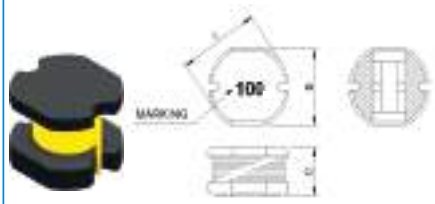
HPC 5040N Series (2020 inch -55 ~+125)

■ DC Bias Characteristics (Typical)



FPI 0504BM Series (2020 inch -55 ~+125)

■ Dimensions



Dimensions	A(mm)	B(mm)	C(mm)
FPI0504BMV	5.80±0.3	5.20±0.3	4.50±0.3

Units: mm

■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0504BMV-1R0M	1.0	± 20%	1V/7.96M	0.018	3.50
FPI 0504BMV-1R4M	1.4	± 20%	1V/7.96M	0.020	3.50
FPI 0504BMV-1R8M	1.8	± 20%	1V/7.96M	0.025	3.00
FPI 0504BMV-2R2M	2.2	± 20%	1V/7.96M	0.030	2.80
FPI 0504BMV-2R7M	2.7	± 20%	1V/7.96M	0.035	2.60
FPI 0504BMV-3R3M	3.3	± 20%	1V/7.96M	0.040	2.50
FPI 0504BMV-3R9M	3.9	± 20%	1V/7.96M	0.050	2.30
FPI 0504BMV-4R7M	4.7	± 20%	1V/7.96M	0.060	2.60
FPI 0504BMV-5R6M	5.6	± 20%	1V/7.96M	0.070	2.40
FPI 0504BMV-6R8M	6.8	± 20%	1V/7.96M	0.080	2.20
FPI 0504BMV-8R2M	8.2	± 20%	1V/7.96M	0.080	2.00
FPI 0504BMV-100M	10	± 20%	1V/2.52M	0.090	1.80
FPI 0504BMV-120M	12	± 20%	1V/2.52M	0.100	1.60
FPI 0504BMV-150M	15	± 20%	1V/2.52M	0.120	1.50
FPI 0504BMV-180M	18	± 20%	1V/2.52M	0.150	1.40
FPI 0504BMV-220M	22	± 20%	1V/2.52M	0.180	1.30
FPI 0504BMV-270M	27	± 20%	1V/2.52M	0.220	1.20
FPI 0504BMV-330M	33	± 20%	1V/2.52M	0.260	1.00
FPI 0504BMV-390M	39	± 20%	1V/2.52M	0.300	0.90
FPI 0504BMV-470M	47	± 20%	1V/2.52M	0.350	0.85
FPI 0504BMV-560M	56	± 20%	1V/2.52M	0.400	0.80
FPI 0504BMV-680M	68	± 20%	1V/2.52M	0.450	0.70
FPI 0504BMV-820M	82	± 20%	1V/2.52M	0.500	0.70
FPI 0504BMV-101M	100	± 20%	1V/1K	0.700	0.60
FPI 0504BMV-121M	120	± 20%	1V/1K	0.750	0.60

FPI 0504 BM Series (2020 inch -55 ~+125)

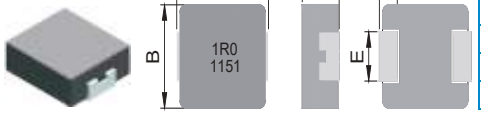
■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0504BMV-151M	150	± 20%	1V/1K	0.900	0.55
FPI 0504BMV-181M	180	± 20%	1V/1K	1.100	0.50
FPI 0504BMV-221M	220	± 20%	1V/1K	1.200	0.40
FPI 0504BMV-271M	270	± 20%	1V/1K	1.500	0.25
FPI 0504BMV-331M	330	± 20%	1V/1K	3.000	0.22
FPI 0504BMV-391M	390	± 20%	1V/1K	3.500	0.20
FPI 0504BMV-471M	470	± 20%	1V/1K	4.000	0.19
FPI 0504BMV-561M	560	± 20%	1V/1K	4.000	0.18
FPI 0504BMV-681M	680	± 20%	1V/1K	4.500	0.15

Note:
Based on inductance change （△L/L0：≦-35%）@ ambient temp. 25℃
Based on temperature rise （△T：40℃ typ.）

TMPC 0612H Series (2424 inch -55~+125)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.00±0.20
D	1.80±0.30
E	2.50±0.30

Units: mm

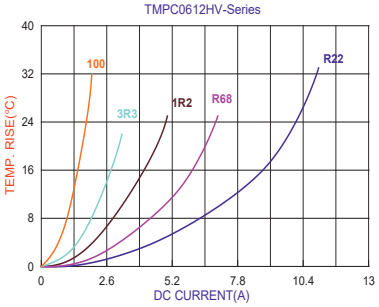
■ Specifications

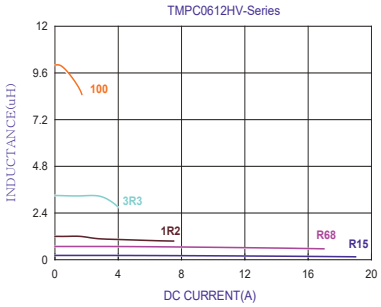
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0612HV-R22YG	0.22±30%	11.0	19.0	6.50	7.50
TMPC0612HV-R47MG	0.47	8.50	12.0	13.0	17.0
TMPC0612HV-R68MG	0.68	7.00	9.00	17.0	19.0
TMPC0612HV-1R0MG	1.00	6.00	7.00	27.0	30.0
TMPC0612HV-2R2MG	2.20	4.00	5.00	53.0	61.0
TMPC0612HV-3R3MG	3.30	3.20	4.00	90.0	103
TMPC0612HV-4R7MG	4.70	2.50	3.80	130	150
TMPC0612HV-6R8MG	6.80	2.10	3.00	172	198
TMPC0612HV-100MG	10.0	1.80	2.50	280	290

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

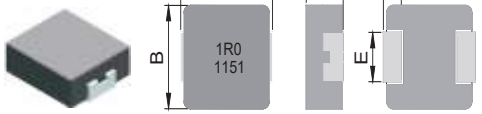
■ DC Bias Characteristics (Typical)





TMPC 0615H Series (2424 inch -55~+125)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.30±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

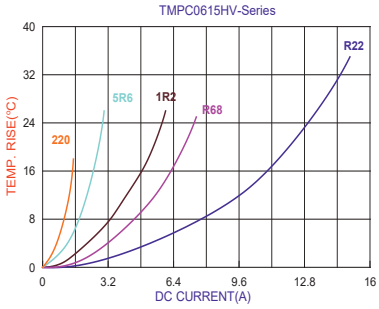
■ Specification

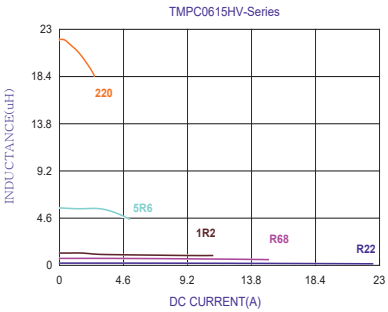
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0615HV-R22YG	0.22±30%	14.0	22.0	4.30	5.20
TMPC0615HV-R47MG	0.47	9.50	16.0	9.00	10.3
TMPC0615HV-R68MG	0.68	7.50	15.0	13.8	15.2
TMPC0615HV-1R0MG	1.00	6.50	12.0	23.0	25.8
TMPC0615HV-2R2MG	2.20	4.50	6.50	48.0	55.0
TMPC0615HV-3R3MG	3.30	4.20	6.00	62.0	74.0
TMPC0615HV-4R7MG	4.70	3.80	5.00	96.0	111
TMPC0615HV-5R6MG	5.60	3.00	4.50	115	138
TMPC0615HV-6R8MG	6.80	2.60	3.50	128	148
TMPC0615HV-100MG	10.0	2.30	2.80	180	216
TMPC0615HV-220MG	22.0	1.50	2.50	420	504

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

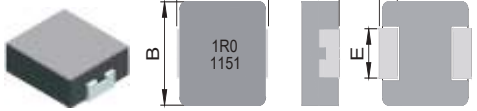
■ DC Bias Characteristics (Typical)





TMPC 0618H Series (2424 inch -55~+125)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.60±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specification

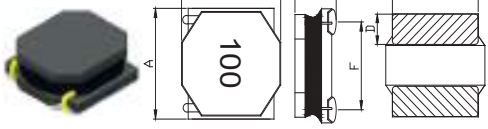
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0618HV-R22MG	0.22	16.0	26.0	2.50	3.00
TMPC0618HV-R47MG	0.47	12.0	18.0	6.40	7.40
TMPC0618HV-R68MG	0.68	10.0	17.0	9.50	11.0
TMPC0618HV-1R0MG	1.00	7.00	14.0	14.5	17.0
TMPC0618HV-2R2MG	2.20	6.00	11.0	31.0	35.0
TMPC0618HV-3R3MG	3.30	5.00	9.00	40.0	46.0
TMPC0618HV-4R7MG	4.70	4.00	7.00	68.0	76.0
TMPC0618HV-5R6MG	5.60	3.50	6.00	78.0	86.0
TMPC0618HV-6R8MG	6.80	3.00	5.50	93.0	104
TMPC0618HV-100MG	10.0	2.30	3.50	143	160

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

HPC 6020N Series (2424 inch -55 ~+125)

■ Dimensions



Dimensions	
A	6.00±0.20
B	6.00±0.20
C	1.80±0.20
D	1.60±0.30
E	5.80±0.30
F	4.30 ref.

Units: mm

■ Specifications

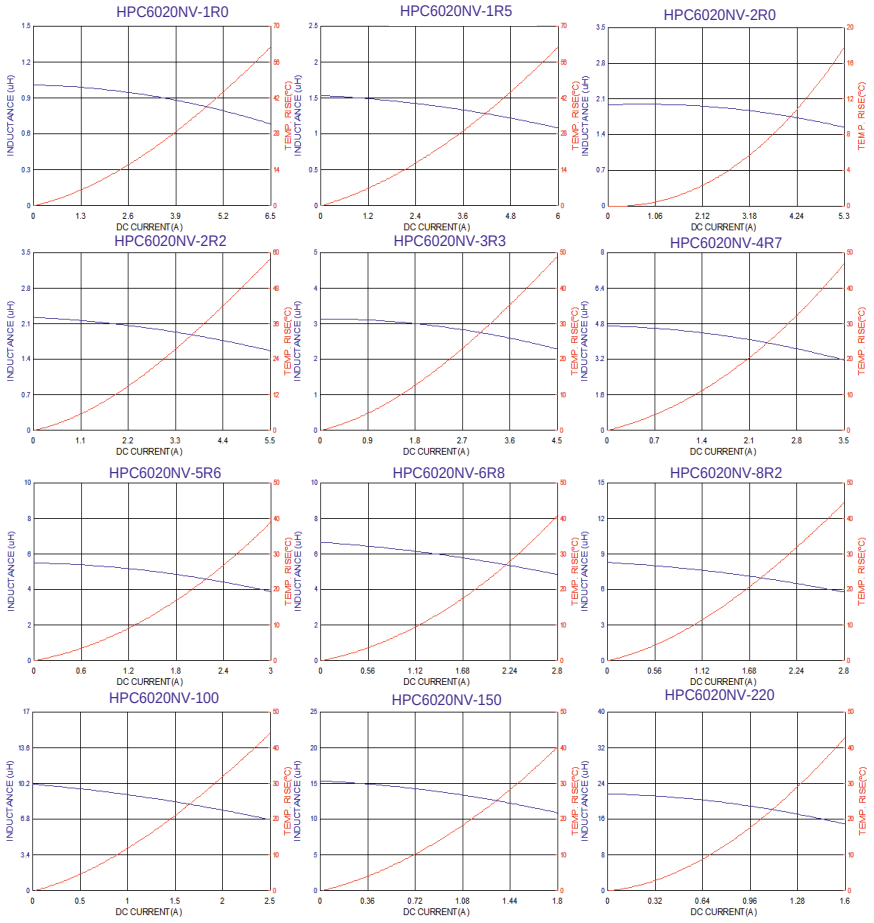
Part Number	Inductance (uH)	Tolerance				Rated current		DCR (mΩ)@25℃ ±20%.
		K	L	M	Y	Temperature current I rms (A)	Saturation current I sat (A)	
HPC6020NV-1R0	1.00	/	/	±20%	±30%	4.5	6.2	19
HPC6020NV-1R5	1.50	/	/	±20%	±30%	3.8	5.5	22.5
HPC6020NV-2R0	2.00	/	/	±20%	±30%	3.65	5.3	25
HPC6020NV-2R2	2.20	/	/	±20%	±30%	3.5	5.0	29
HPC6020NV-3R3	3.30	/	/	±20%	±30%	3.3	4.0	35
HPC6020NV-4R7	4.70	/	±15%	±20%	±30%	2.8	3.0	54
HPC6020NV-5R6	5.60	/	±15%	±20%	±30%	2.6	2.7	59
HPC6020NV-6R8	6.80	/	±15%	±20%	±30%	2.5	2.6	78
HPC6020NV-8R2	8.20	/	±15%	±20%	±30%	2.3	2.4	103
HPC6020NV-100	10.0	±10%	±15%	±20%	±30%	2.1	2.1	106
HPC6020NV-150	15.0	±10%	±15%	±20%	±30%	1.6	1.5	138
HPC6020NV-220	22.0	±10%	±15%	±20%	±30%	1.4	1.3	204

Note:

1. All test data referenced to 25℃ ambient , Ls:100KHz/1V.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
3. Saturation Current (Isat) will cause L0 to drop approximately 30%

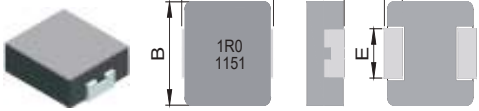
HPC 6020N Series (2424 inch -55~+125)

■ DC Bias Characteristics (Typical)



TMPC 0602H Series (2424 inch -55~+125)

■ Dimensions



Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

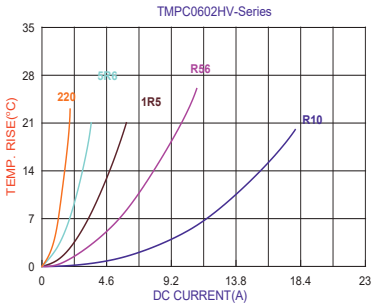
■ Specification

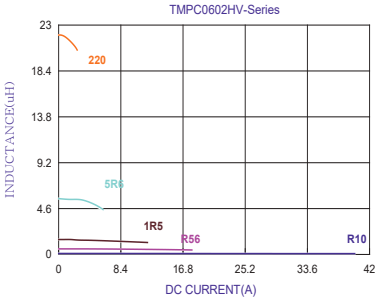
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0602HV-R10YG-D	0.10±30%	21.0	40.0	2.00	2.40
TMPC0602HV-R47MG-D	0.47±20%	11.7	20.0	7.10	8.30
TMPC0602HV-R68MG-D	0.68±20%	10.5	16.0	8.30	10.0
TMPC0602HV-1R0MG-D	1.00±20%	8.00	14.0	16.5	18.0
TMPC0602HV-2R2MG-D	2.20±20%	6.00	10.0	32.0	37.0
TMPC0602HV-3R3MG-D	3.30±20%	5.00	8.00	43.0	48.0
TMPC0602HV-4R7MG-D	4.70±20%	4.50	7.00	53.0	60.0
TMPC0602HV-5R6MG-D	5.60±20%	4.00	6.00	59.0	68.0
TMPC0602HV-6R8MG-D	6.80±20%	4.00	5.50	63.0	73.0
TMPC0602HV-100MG-D	10.0±20%	2.80	4.00	134	154
TMPC0602HV-220MG-D	22.0±20%	1.50	2.50	236	280

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

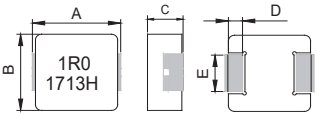
■ DC Bias Characteristics (Typical)





TMHC 0624S Series (2424 inch -55~+150)

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.20±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC0624SV-R10YN-D	0.10	±30	1V/100K	1.20	1.50	70.0	65.0	30.0	26.0
TMHC0624SV-R15YN-D	0.15	±30	1V/100K	1.80	2.30	50.0	45.0	28.0	24.0
TMHC0624SV-R22MN-D	0.22	±20	1V/100K	2.20	2.60	40.0	36.0	25.0	21.0
TMHC0624SV-R33MN-D	0.33	±20	1V/100K	3.50	4.00	32.0	28.0	21.0	18.0
TMHC0624SV-R47MN-D	0.47	±20	1V/100K	4.40	5.10	26.0	23.0	18.0	15.0
TMHC0624SV-R68MN-D	0.68	±20	1V/100K	5.50	6.30	21.0	18.0	16.0	13.0
TMHC0624SV-1R0MN-D	1.00	±20	1V/100K	10.5	13.5	17.0	15.0	12.0	10.0
TMHC0624SV-1R5MN-D	1.50	±20	1V/100K	16.0	19.0	15.0	13.0	9.50	8.00
TMHC0624SV-2R2MN-D	2.20	±20	1V/100K	19.0	26.0	14.0	12.0	8.50	7.00
TMHC0624SV-3R3MN-D	3.30	±20	1V/100K	33.0	38.0	11.0	9.0	7.00	6.00
TMHC0624SV-4R7MN-D	4.70	±20	1V/100K	40.0	47.0	8.50	7.5	6.50	5.50
TMHC0624SV-6R8MN-D	6.80	±20	1V/100K	63.0	72.0	7.00	6.0	5.00	4.00
TMHC0624SV-8R2MN-D	8.20	±20	1V/100K	76.0	87.0	6.10	5.2	4.40	3.80
TMHC0624SV-100MN-D	10.0	±20	1V/100K	85.0	98.0	5.30	4.9	3.80	3.20

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

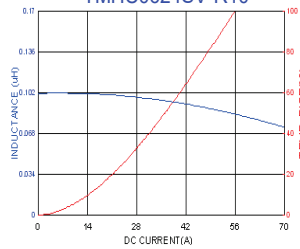
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMHC 0624S Series

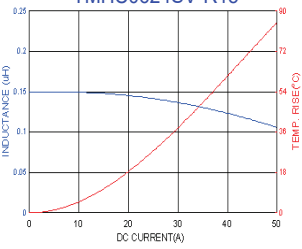
(2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

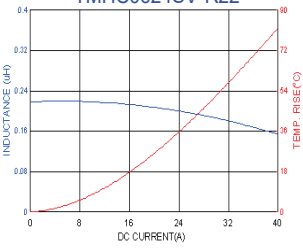
TMHC0624SV-R10



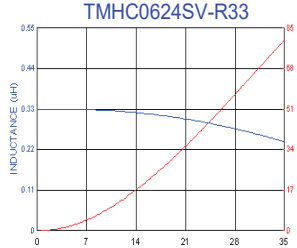
TMHC0624SV-R15



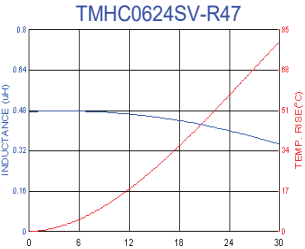
TMHC0624SV-R22



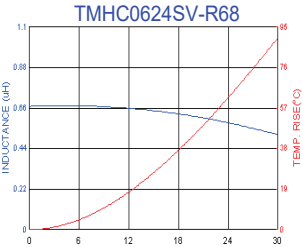
TMHC0624SV-R33



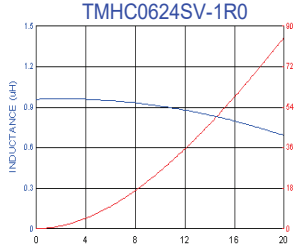
TMHC0624SV-R47



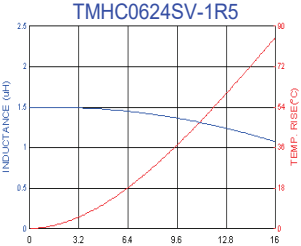
TMHC0624SV-R68



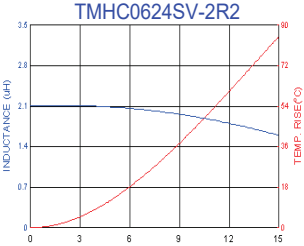
TMHC0624SV-1R0



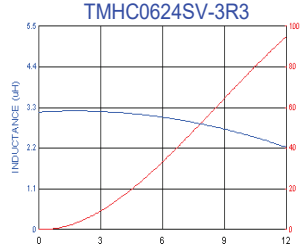
TMHC0624SV-1R5



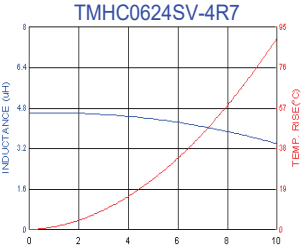
TMHC0624SV-2R2



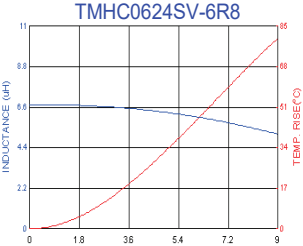
TMHC0624SV-3R3



TMHC0624SV-4R7



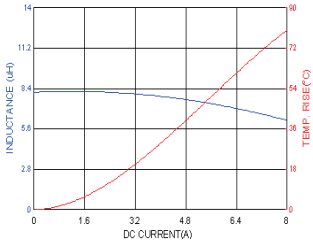
TMHC0624SV-6R8



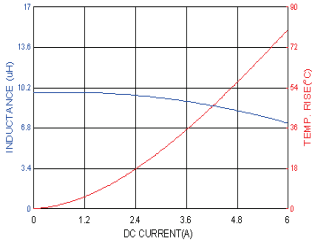
TMHC 0624S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

TMHC0624SV-8R2

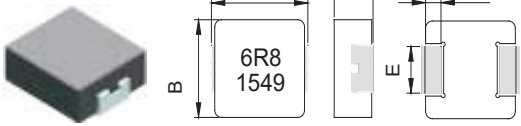


TMHC0624SV-100



TMPA 0624S Series (2424 inch-55~+150)

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.70±0.20
C	2.20±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA0624SV-R10YN-D	0.10	±30	1V/100K	1.2	1.35	70	60	30	25
TMPA0624SV-R15MN-D	0.15	±20	1V/100K	1.5	1.80	41	34	32	30
TMPA0624SV-R22MN-D	0.22	±20	1V/100K	2.2	2.53	34	28	26	23
TMPA0624SV-R33MN-D	0.33	±20	1V/100K	3.2	3.52	27	24	24	21
TMPA0624SV-R36MN-D	0.36	±20	1V/100K	3.4	3.8	25	22	23	20
TMPA0624SV-R45MN-D	0.45	±20	1V/100K	4.0	4.4	22	18	20	17
TMPA0624SV-R47MN-D	0.47	±20	1V/100K	4.4	5.06	22	18	19	16
TMPA0624SV-R68MN-D	0.68	±20	1V/100K	5.2	6.0	17	15	17	14
TMPA0624SV-R82MN-D	0.82	±20	1V/100K	7.3	8.1	16	14	16	13
TMPA0624SV-1R0MN-D	1.00	±20	1V/100K	10	11.8	15	13	13	11
TMPA0624SV-1R5MN-D	1.50	±20	1V/100K	13.5	16	14	12	11	9.0
TMPA0624SV-2R2MN-D	2.20	±20	1V/100K	18.5	23	10	9.0	9.5	8.0
TMPA0624SV-3R3MN-D	3.30	±20	1V/100K	31	38	8.5	7.0	8.0	6.0
TMPA0624SV-4R7MN-D	4.70	±20	1V/100K	38	46	7.0	6.0	6.5	5.5
TMPA0624SV-5R6MN-D	5.60	±20	1V/100K	47	56.4	6.2	5.7	6.0	5.0
TMPA0624SV-6R8MN-D	6.80	±20	1V/100K	58	67	6.0	5.6	4.5	4.0
TMPA0624SV-100MN-D	10.0	±20	1V/100K	81	93	4.6	4.2	3.7	3.4

Note:

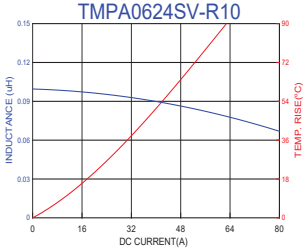
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

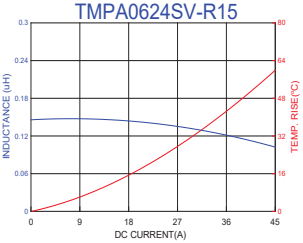
TMPA 0624S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

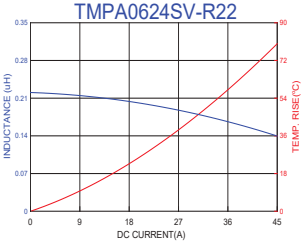
TMPA0624SV-R10



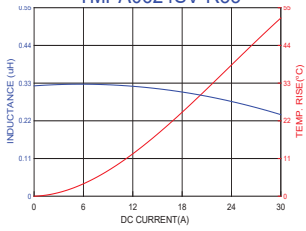
TMPA0624SV-R15



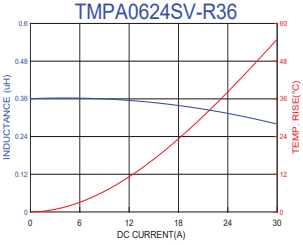
TMPA0624SV-R22



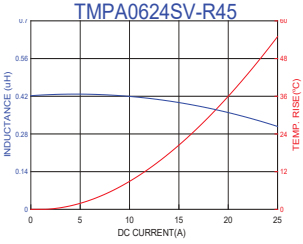
TMPA0624SV-R33



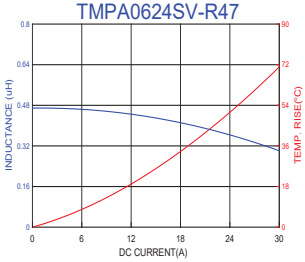
TMPA0624SV-R36



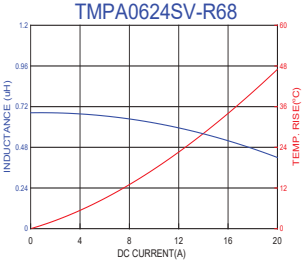
TMPA0624SV-R45



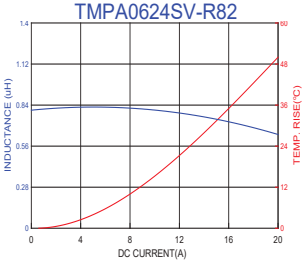
TMPA0624SV-R47



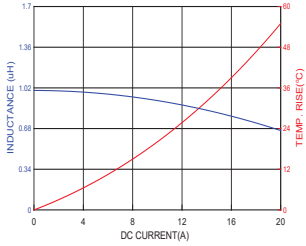
TMPA0624SV-R68



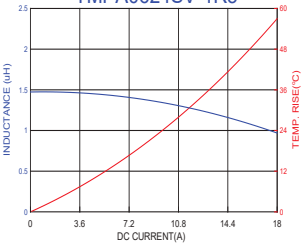
TMPA0624SV-R82



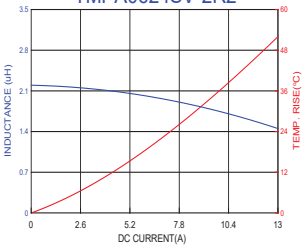
TMPA0624SV-1R0



TMPA0624SV-1R5



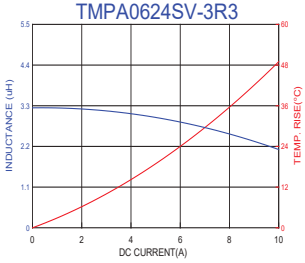
TMPA0624SV-2R2



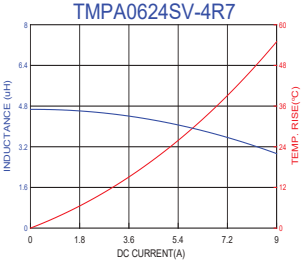
TMPA 0624S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

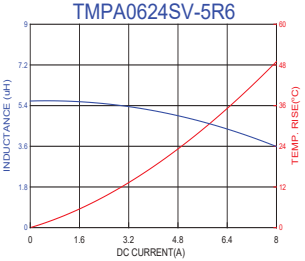
TMPA0624SV-3R3



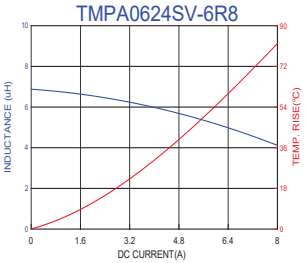
TMPA0624SV-4R7



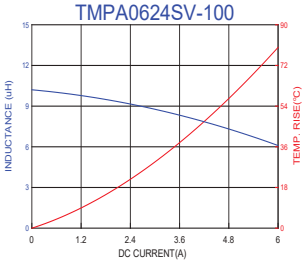
TMPA0624SV-5R6



TMPA0624SV-6R8



TMPA0624SV-100



TMPC 0624H Series (2424 inch -55~+125)

■ Dimensions

Dimensions	
A	7.00±0.30
B	6.60±0.30
C	2.20±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specification

Part Number	Inductance L0 (uH)	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0624HV-R22MG-D	0.22±20%	21.0	34.0	2.00	3.20
TMPC0624HV-R47MG-D	0.47±20%	15.0	26.0	4.80	5.10
TMPC0624HV-R68MG-D	0.68±20%	13.0	21.0	6.40	7.20
TMPC0624HV-1R0MG-D	1.00±20%	11.0	16.0	10.5	13.5
TMPC0624HV-2R2MG -D	2.20±20%	7.0	14.0	23.0	28.0
TMPC0624HV-3R3MG-D	3.30±20%	6.0	10.0	34.0	39.0
TMPC0624HV-4R7MG-D	4.70±20%	5.5	9.0	41.0	50.0
TMPC0624HV-5R6MG-D	5.60±20%	5.0	8.0	56.0	62.0
TMPC0624HV-6R8MG-D	6.80±20%	4.0	7.0	65.0	72.0
TMPC0624HV-100MG-D	10.0±20%	3.2	5.0	92.0	101

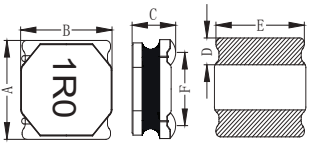
Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃ .
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

HPC 6028N Series

(2424 inch -55~+125)

■ Dimensions



Dimensions	
A	6.00±0.20
B	6.00±0.20
C	2.60±0.20
D	1.60±0.30
E	5.80±0.30
F	4.30 ref

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	I sat (A) Max.	I rms (A) Typ.
HPC6028NV-1R0Y	1.00	±30	1V/100K	10.0	5.75	5.20
HPC6028NV-1R5Y	1.50	±30	1V/100K	14.0	5.30	4.95
HPC6028NV-2R2M	2.20	±20	1V/100K	18.0	5.00	4.50
HPC6028NV-3R3M	3.30	±20	1V/100K	24.0	4.30	3.60
HPC6028NV-4R7M	4.70	±20	1V/100K	30.0	3.20	3.10
HPC6028NV-6R8M	6.80	±20	1V/100K	47.0	2.85	2.50
HPC6028NV-100M	10.0	±20	1V/100K	65.0	2.10	2.00
HPC6028NV-150M	15.0	±20	1V/100K	98.0	2.00	1.80
HPC6028NV-220M	22.0	±20	1V/100K	138	1.60	1.50
HPC6028NV-330M	33.0	±20	1V/100K	200	1.40	1.30
HPC6028NV-470M	47.0	±20	1V/100K	280	1.15	1.06
HPC6028NV-680M	68.0	±20	1V/100K	420	1.00	0.81
HPC6028NV-101M	100	±20	1V/100K	605	0.80	0.72
HPC6028NV-471M	470	±20	1V/100K	/	/	/

Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

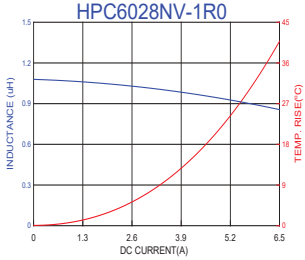
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

HPC 6028N Series

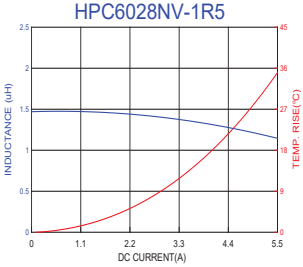
(2424 inch -55~+125)

■ DC Bias Characteristics (Typical)

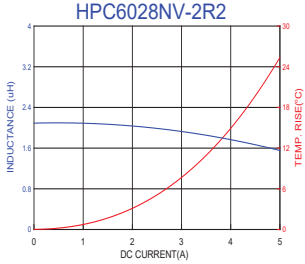
HPC6028NV-1R0



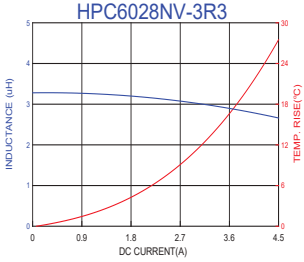
HPC6028NV-1R5



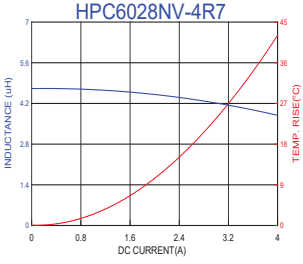
HPC6028NV-2R2



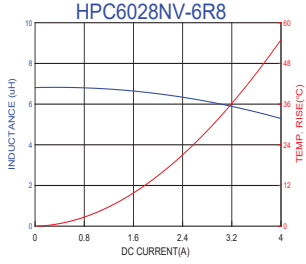
HPC6028NV-3R3



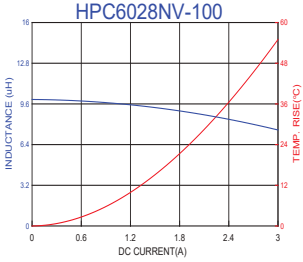
HPC6028NV-4R7



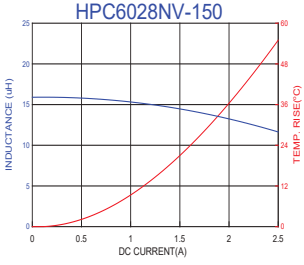
HPC6028NV-6R8



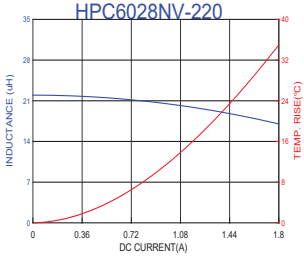
HPC6028NV-100



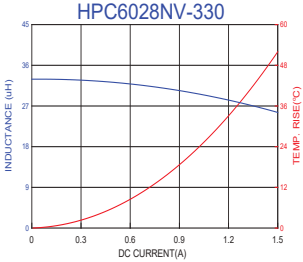
HPC6028NV-150



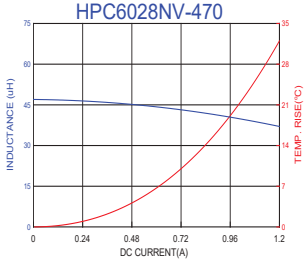
HPC6028NV-220



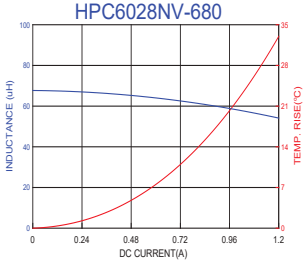
HPC6028NV-330



HPC6028NV-470



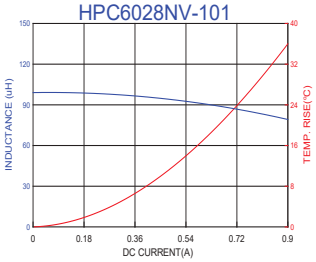
HPC6028NV-680



HPC 6028N Series

(2424 inch -55~+125)

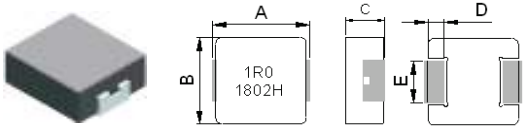
■ DC Bias Characteristics (Typical)



TMHC 0603S Series

(2424 inch -55~+150)

■ Dimensions



Dimensions	
A	7.1±0.30
B	6.6±0.20
C	2.8±0.20
D	1.6±0.30
E	3.0±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC0603SV-R10YN-D	0.10	±30	1V/100K	1.2	1.7	60.0	55.0	37.5	28.0
TMHC0603SV-R15MN-D	0.15	±20	1V/100K	1.5	1.9	50.0	45.0	27.0	23.0
TMHC0603SV-R22MN-D	0.22	±20	1V/100K	2.2	2.6	40.0	36.0	25.0	21.0
TMHC0603SV-R24MN-D	0.24	±20	1V/100K	2.5	3.1	39.0	34.0	23.0	20.0
TMHC0603SV-R25MN-D	0.25	±20	1V/100K	2.5	3.1	39.0	34.0	23.0	20.0
TMHC0603SV-R33MN-D	0.33	±20	1V/100K	3.5	3.9	32.0	28.0	20.0	17.0
TMHC0603SV-R47MN-D	0.47	±20	1V/100K	4.0	4.3	27.0	23.0	17.5	16.0
TMHC0603SV-R68MN-D	0.68	±20	1V/100K	4.8	5.5	25.0	22.0	15.5	14.0
TMHC0603SV-1R0MN-D	1.00	±20	1V/100K	8.3	10	22.0	19.0	11.0	10.0
TMHC0603SV-1R5MN-D	1.50	±20	1V/100K	11	14	18.0	17.0	9.0	8.0
TMHC0603SV-1R8MN-D	1.80	±20	1V/100K	13	16	16.0	15.0	8.5	7.5
TMHC0603SV-2R2MN-D	2.20	±20	1V/100K	15	18	14.0	12.0	8.0	7.0
TMHC0603SV-3R3MN-D	3.30	±20	1V/100K	27	30	13.5	11.5	6.0	5.3
TMHC0603SV-4R7MN-D	4.70	±20	1V/100K	37	40	10.0	8.5	5.5	4.9
TMHC0603SV-5R6MN-D	5.60	±20	1V/100K	42	48	8.5	7.5	5.0	4.5
TMHC0603SV-6R8MN-D	6.80	±20	1V/100K	54	60	8.3	7.0	4.5	4.0
TMHC0603SV-8R2MN-D	8.20	±20	1V/100K	60	66	6.8	5.5	4.1	3.6
TMHC0603SV-100MN-D	10.0	±20	1V/100K	63	68	6.0	5.0	3.5	3.1
TMHC0603SV-150MN-D	15.0	±20	1V/100K	107	123	4.0	3.5	3.0	2.7
TMHC0603SV-220MN-D	22.0	±20	1V/100K	155	180	3.6	3.2	2.2	1.9
TMHC0603SV-330MN-D	33.0	±20	1V/100K	200	240	3.0	2.5	2.0	1.7

Note:

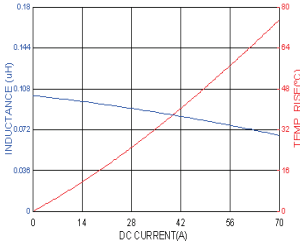
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

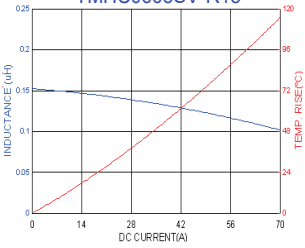
TMHC 0603S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

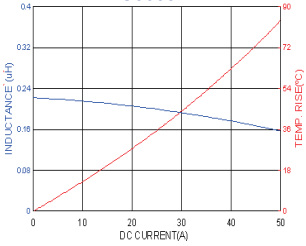
TMHC0603SV-R10



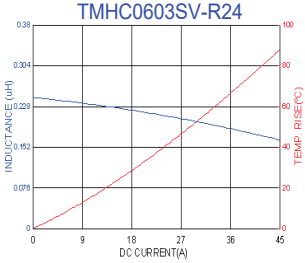
TMHC0603SV-R15



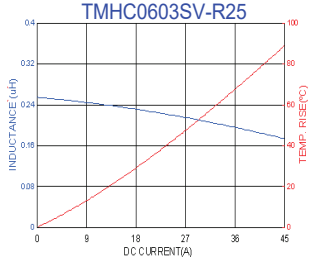
TMHC0603SV-R22



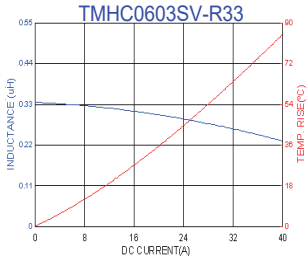
TMHC0603SV-R24



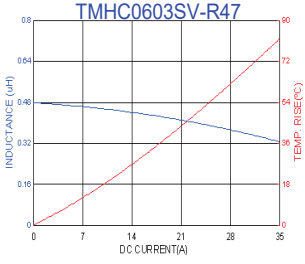
TMHC0603SV-R25



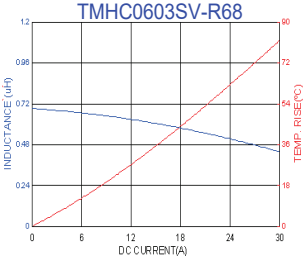
TMHC0603SV-R33



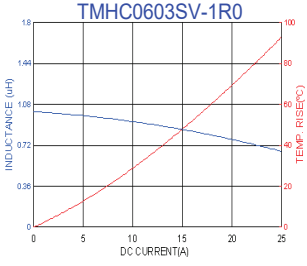
TMHC0603SV-R47



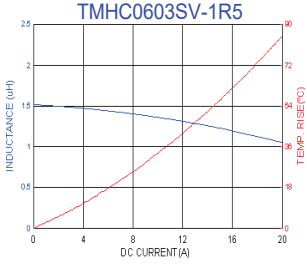
TMHC0603SV-R68



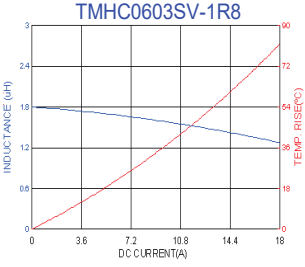
TMHC0603SV-1R0



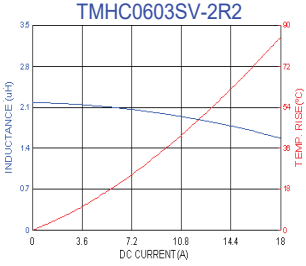
TMHC0603SV-1R5



TMHC0603SV-1R8



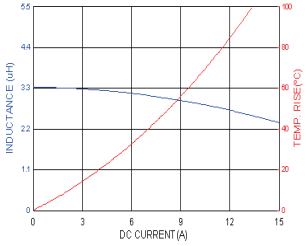
TMHC0603SV-2R2



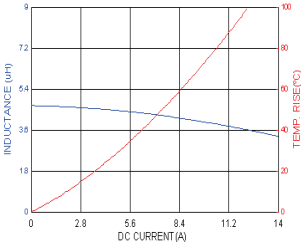
TMHC 0603S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

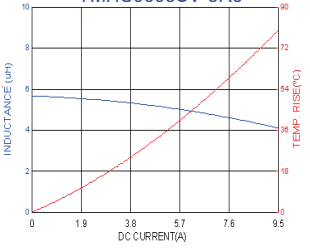
TMHC0603SV-3R3



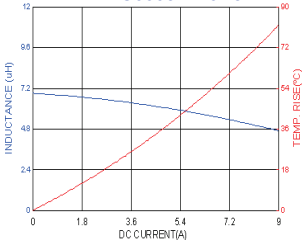
TMHC0603SV-4R7



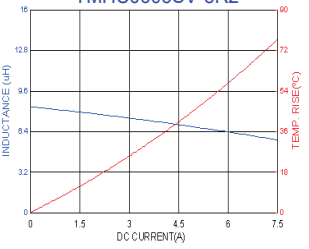
TMHC0603SV-5R6



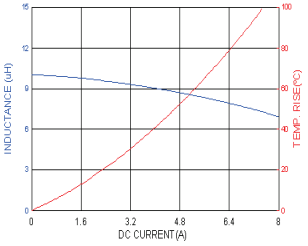
TMHC0603SV-6R8



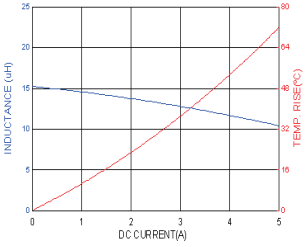
TMHC0603SV-8R2



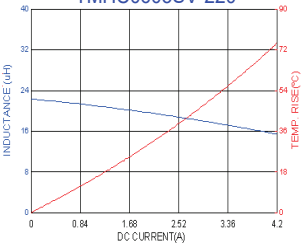
TMHC0603SV-100



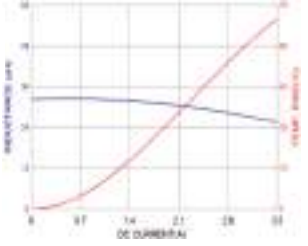
TMHC0603SV-150



TMHC0603SV-220

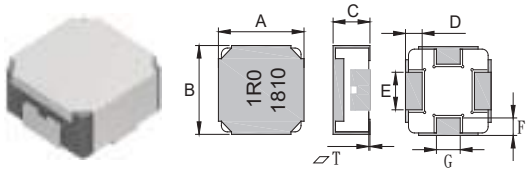


TMHC0603SV-330



TMHC 0603CP Series (2424 inch -55~+150)

■ Dimensions



Dimensions	
A	7.20±0.30
B	7.20±0.30
C	3.20±0.30
D	1.40±0.30
E	3.00±0.20
F	1.40±0.30
G	2.10±0.20
T	0~0.2

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC0603CPV-R47MN-D	0.47	±20	1V/100K	3.87	4.14	20	17	20	17
TMHC0603CPV-R68MN-D	0.68	±20	1V/100K	5.00	5.50	19	16	17	15
TMHC0603CPV-1R0MN-D	1.00	±20	1V/100K	7.00	8.00	18	15	13	11
TMHC0603CPV-1R5MN-D	1.50	±20	1V/100K	11.0	13.2	15	13	10.8	9.5
TMHC0603CPV-2R2MN-D	2.20	±20	1V/100K	16.3	18.0	12	10.8	8.8	7.7
TMHC0603CPV-3R3MN-D	3.30	±20	1V/100K	26.0	28.4	11.0	9.5	7.3	6.5
TMHC0603CPV-4R7MN-D	4.70	±20	1V/100K	35.0	38.4	9.0	8.0	6.4	5.5
TMHC0603CPV-5R6MN-D	5.60	±20	1V/100K	41.6	45.6	8.0	7.0	5.6	4.8
TMHC0603CPV-6R8MN-D	6.80	±20	1V/100K	52.2	57.4	7.0	6.0	5.0	4.4
TMHC0603CPV-100MN-D	10.0	±20	1V/100K	63.0	68.0	5.0	4.5	4.5	4.0
TMHC0603CPV-150MN-D	15.0	±20	1V/100K	105	116	4.0	3.5	3.5	3.0
TMHC0603CPV-220MN-D	22.0	±20	1V/100K	155	171	3.5	3.1	3.0	2.6

Note:

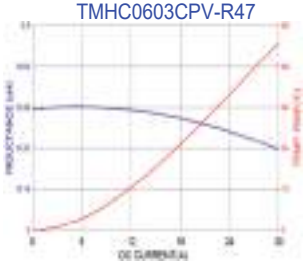
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

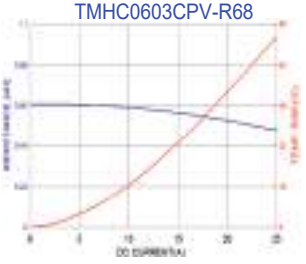
TMHC 0603CP Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

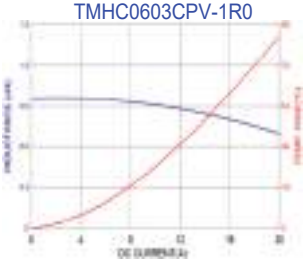
TMHC0603CPV-R47



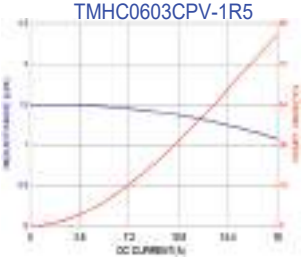
TMHC0603CPV-R68



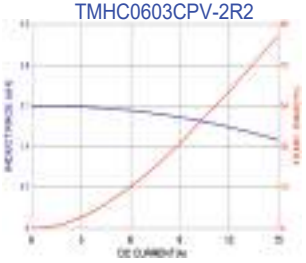
TMHC0603CPV-1R0



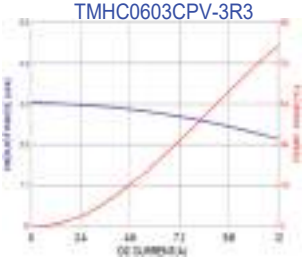
TMHC0603CPV-1R5



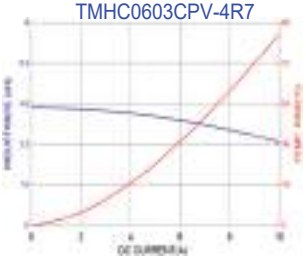
TMHC0603CPV-2R2



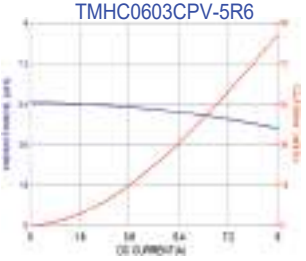
TMHC0603CPV-3R3



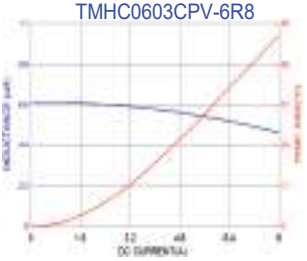
TMHC0603CPV-4R7



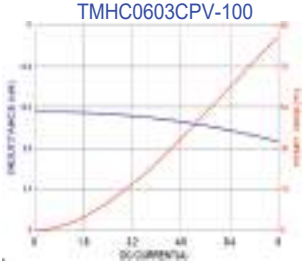
TMHC0603CPV-5R6



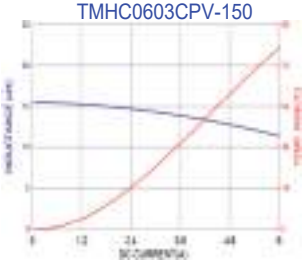
TMHC0603CPV-6R8



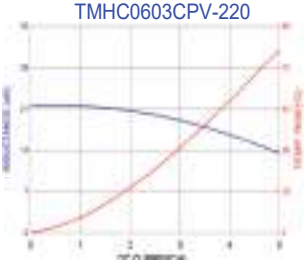
TMHC0603CPV-100



TMHC0603CPV-150

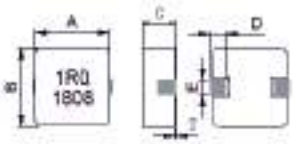


TMHC0603CPV-220



TMHC 0603LF Series (2424 inch -55~+150)

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
E	1.30±0.20
T	0~0.4

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC0603LFV-R10YN-D	0.10	±30	1V/100K	1.15	1.30	52	47	32	27
TMHC0603LFV-R12YN-D	0.12	±30	1V/100K	1.15	1.30	52	47	32	27
TMHC0603LFV-R22MN-D	0.22	±20	1V/100K	1.70	1.87	34	30	24	21
TMHC0603LFV-R40MN-D	0.40	±20	1V/100K	2.40	2.64	29	26	20	18
TMHC0603LFV-R56MN-D	0.56	±20	1V/100K	3.10	3.41	23	20	16	13
TMHC0603LFV-R68MN-D	0.68	±20	1V/100K	3.70	4.10	20	18	15	12
TMHC0603LFV-R82MN-D	0.82	±20	1V/100K	4.30	4.80	18	16	14	11
TMHC0603LFV-1R0MN-D	1.00	±20	1V/100K	5.10	5.90	17	15	12	10
TMHC0603LFV-1R5MN-D	1.50	±20	1V/100K	7.60	8.74	16	14	11	9
TMHC0603LFV-2R2MN-D	2.20	±20	1V/100K	11.8	13.6	13	11	7.0	6
TMHC0603LFV-3R3MN-D	3.30	±20	1V/100K	20.5	23.6	10	9.0	6.5	5.5
TMHC0603LFV-4R7MN-D	4.70	±20	1V/100K	24.0	29.0	8.0	7.0	5.8	5.1
TMHC0603LFV-5R6MN-D	5.60	±20	1V/100K	29.0	35.0	7.0	6.0	5.2	4.8
TMHC0603LFV-6R8MN-D	6.80	±20	1V/100K	38.0	46.0	6.5	5.7	5.0	4.5
TMHC0603LFV-8R2MN-D	8.20	±20	1V/100K	44.0	53.0	5.5	5.0	4.5	4.2

Note:

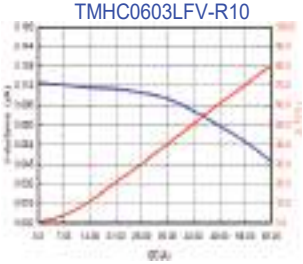
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

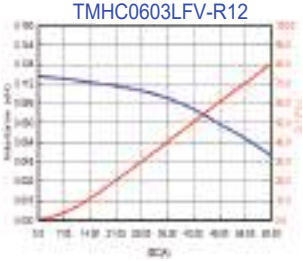
TMHC 0603LF Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

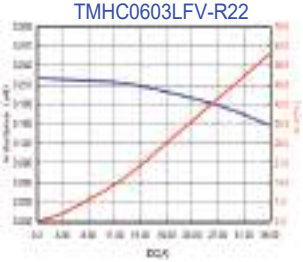
TMHC0603LFV-R10



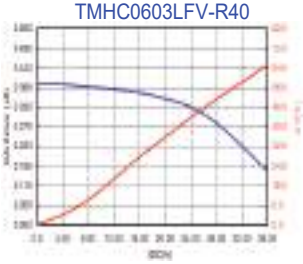
TMHC0603LFV-R12



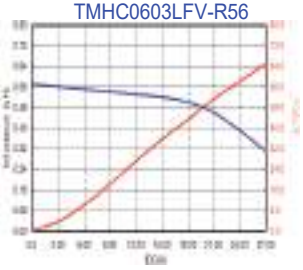
TMHC0603LFV-R22



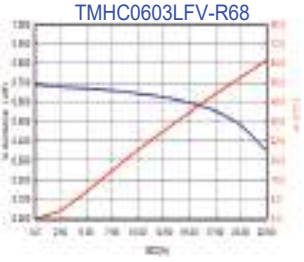
TMHC0603LFV-R40



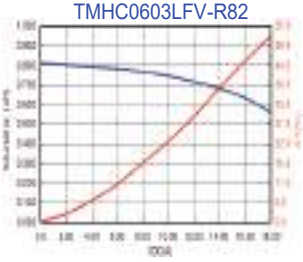
TMHC0603LFV-R56



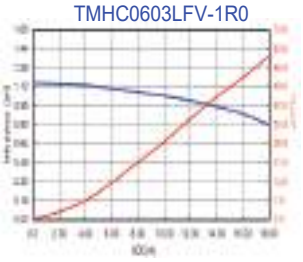
TMHC0603LFV-R68



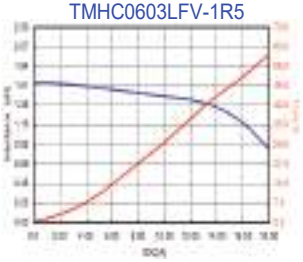
TMHC0603LFV-R82



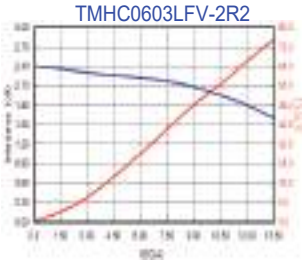
TMHC0603LFV-1R0



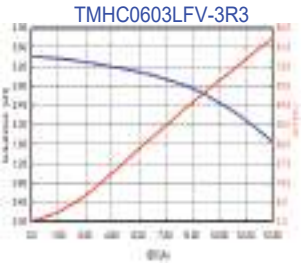
TMHC0603LFV-1R5



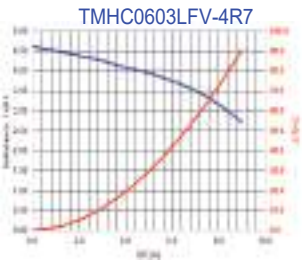
TMHC0603LFV-2R2



TMHC0603LFV-3R3

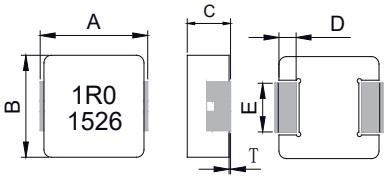


TMHC0603LFV-4R7



TMPA 0603S Series (2424 inch -55~+150)

■ Dimensions



Series	A	B	C	D	E	T
TMPA0603	7.1±0.3	6.6±0.2	2.8±0.2	1.6±0.3	3.0±0.2	0~0.15

Units: mm

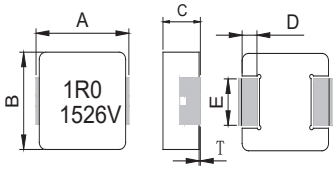
■ Specifications

Part Number	Inductance L0 A(uH) ±20%	Heat Rating Current DC Typ (A) Irms.	Saturation Current DC Typ (A)I sat	DCR (mΩ)Typ	DCR (mΩ)Max
TMPA0603SV-R15YN-D	0.15±30%	30	40	1.7	2.1
TMPA0603SV-R22MN-D	0.22	23	34	2.0	2.5
TMPA0603SV-R33MN-D	0.33	21	25	2.8	3.4
TMPA0603SV-R36MN-D	0.36	20	24	3.3	3.9
TMPA0603SV-R47MN-D	0.47	18	20	3.4	4
TMPA0603SV-R56MN-D	0.56	16.5	18	3.9	4.5
TMPA0603SV-R68MN-D	0.68	16	17	4.7	5.3
TMPA0603SV-R82MN-D	0.82	14	16	5.4	6.0
TMPA0603SV-1R0MN-D	1.00	12	15	6.7	7.4
TMPA0603SV-1R2MN-D	1.20	10	14	7.7	9.5
TMPA0603SV-1R5MN-D	1.50	10	14	10.2	12.1
TMPA0603SV-2R2MN-D	2.20	8	10	13.5	15
TMPA0603SV-3R3MN-D	3.30	6.5	9.5	19	22
TMPA0603SV-4R7MN-D	4.70	5.5	6.5	28	33
TMPA0603SV-5R6MN-D	5.60	5.5	6	39	42
TMPA0603SV-6R8MN-D	6.80	4.5	6	43	50
TMPA0603SV-8R2MN-D	8.20	4.5	6	54	60
TMPA0603SV-100MN-D	10.0	4	5.5	62	68
TMPA0603SV-150MN-D	15.0	3	4.5	110	140
TMPA0603SV-220MN-D	22.0	2.5	3	150	190

Note:
1. Test frequency : Ls : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
4. Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMPA 0603HT Series (2424 inch -55~+180)

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
E	3.00±0.20
T	0~0.15

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA0603HTV-R47MN-D	0.47	±20	1V/100K	3.5	4.0	21	18	18	20
TMPA0603HTV-R56MN-D	0.56	±20	1V/100K	4.2	4.8	20	17	19	17
TMPA0603HTV-R68MN-D	0.68	±20	1V/100K	4.8	5.6	19	16.5	17	15.5
TMPA0603HTV-R82MN-D	0.82	±20	1V/100K	5.7	6.8	18	16	16	14
TMPA0603HTV-1R0MN-D	1.00	±20	1V/100K	6.6	8.0	16	14	15	13
TMPA0603HTV-1R5MN-D	1.50	±20	1V/100K	11.2	13.2	14	12	13	11
TMPA0603HTV-2R2MN-D	2.20	±20	1V/100K	13.7	15.8	13	11	11	9.0
TMPA0603HTV-3R3MN-D	3.30	±20	1V/100K	21.5	25.8	9.5	8.3	9.0	7.3
TMPA0603HTV-4R7MN-D	4.70	±20	1V/100K	32	37	8.5	7.0	7.0	6.0
TMPA0603HTV-5R6MN-D	5.60	±20	1V/100K	36	42	7.2	6.0	6.5	5.5
TMPA0603HTV-6R8MN-D	6.80	±20	1V/100K	43	50	6.5	5.5	6.0	5.0
TMPA0603HTV-100MN-D	10.0	±20	1V/100K	62	68	5.0	4.2	5.0	4.2
TMPA0603HTV-150MN-D	15.0	±20	1V/100K	95	114	3.2	2.8	4.1	3.5
TMPA0603HTV-220MN-D	22.0	±20	1V/100K	140	168	3.0	2.6	3.4	2.8

Note:

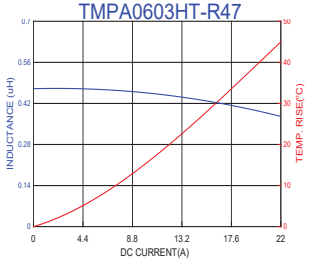
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

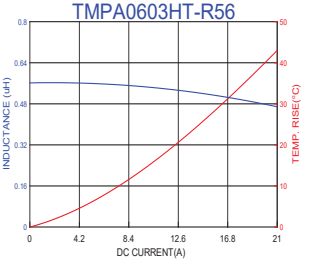
TMPA 0603HT Series (2424 inch -55~+180)

■ DC Bias Characteristics (Typical)

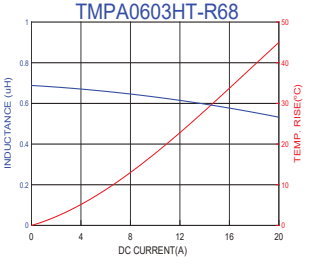
TMPA0603HT-R47



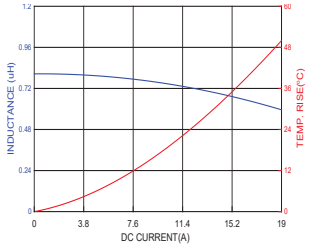
TMPA0603HT-R56



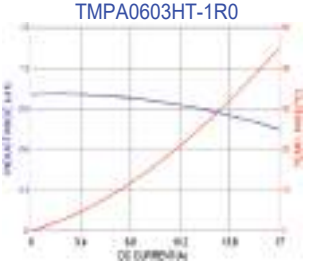
TMPA0603HT-R68



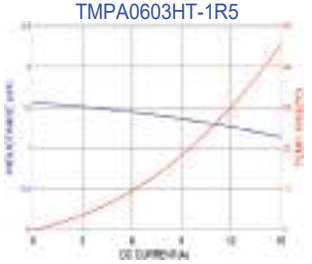
TMPA0603HT-R82



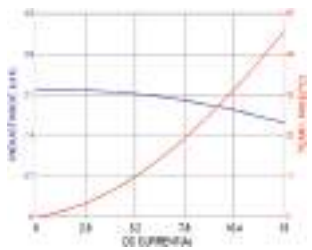
TMPA0603HT-1R0



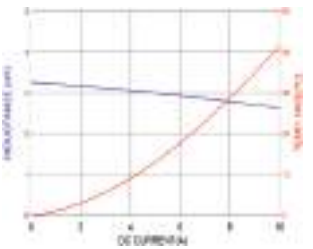
TMPA0603HT-1R5



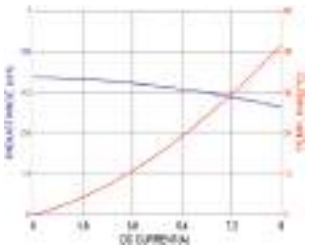
TMPA0603HT-2R2



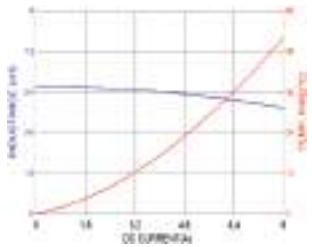
TMPA0603HT-3R3



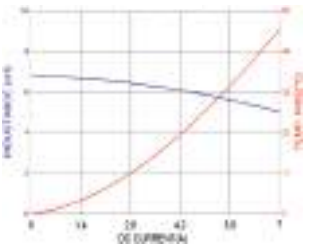
TMPA0603HT-4R7



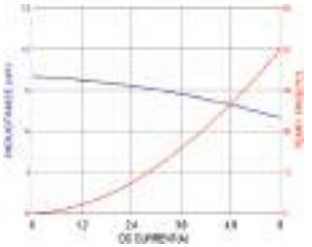
TMPA0603HT-5R6



TMPA0603HT-6R8



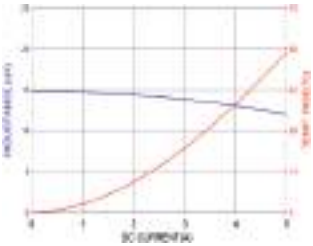
TMPA0603HT-100



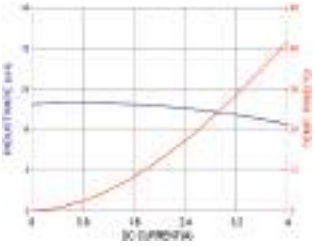
TMPA 0603HT Series (2424 inch -55~+180)

■ DC Bias Characteristics (Typical)

TMPA0603HT-150

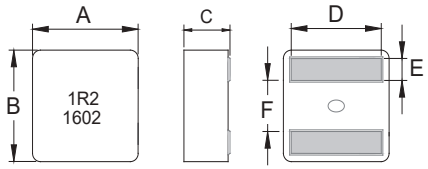


TMPA0603HT-220



TMPF 0603A Series (2525 inch -55~+150)

■ Dimensions



Series	Inductance Range	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
TMPF0603A	1.2uH and below	6.6±0.2	6.4±0.2	2.8±0.2	See Spec table	1.4±0.2	2.6±0.25
	1.5uH and above			2.9±0.2			

■ Specifications

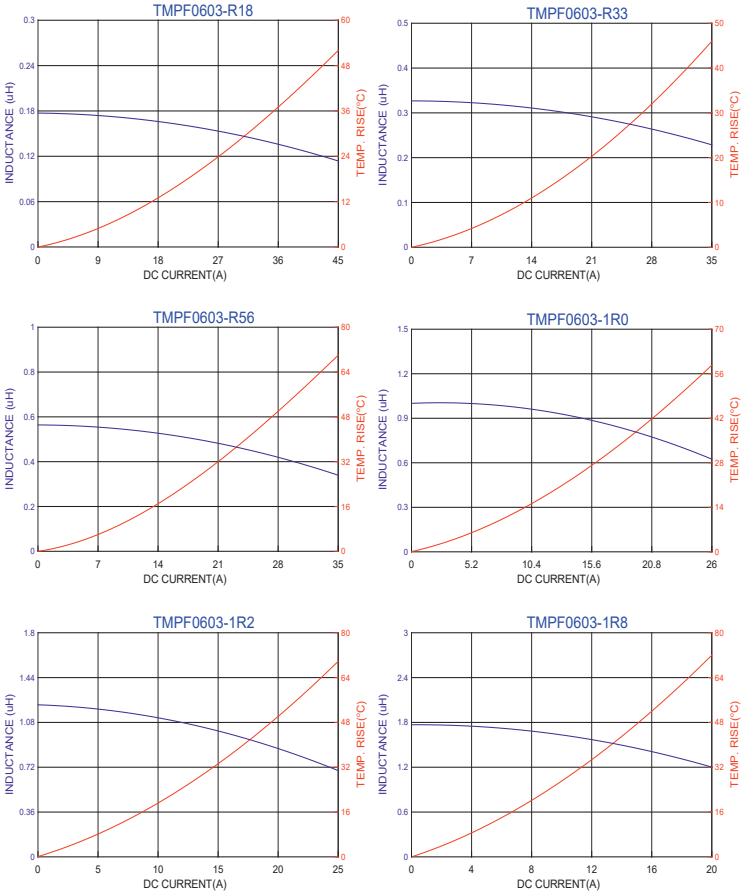
Part Number	Inductance(uH) ±20% @ 0 A	I rms(A) Typ		I sat(A)		DCR (mΩ) Typ.	DCR (mΩ) Max.	D(mm) ±0.3
		20℃ rise	40℃ rise	Typ	Max			
TMPF0603AV-R18MN-D	0.18	24.0	32.0	40.0	36.0	1.60	1.75	5.30
TMPF0603AV-R33MN-D	0.33	20.0	25.0	32.0	28.0	2.25	2.50	5.55
TMPF0603AV-R56MN-D	0.56	17.0	22.0	29.0	25.0	3.00	3.31	5.30
TMPF0603AV-1R0MN-D	1.00	13.0	18.0	23.0	18.0	5.50	6.05	5.20
TMPF0603AV-1R2MN-D	1.20	12.0	16.0	22.0	16.0	6.70	7.40	5.15
TMPF0603AV-1R8MN-D	1.80	10.0	14.0	18.2	13.0	9.20	10.2	5.10
TMPF0603AV-2R2MN-D	2.20	7.00	10.0	15.9	11.0	11.0	12.2	5.05
TMPF0603AV-3R3MN-D	3.30	6.00	8.00	12.2	9.00	18.8	20.8	5.00
TMPF0603AV-4R5MN-D	4.50	5.00	7.00	10.0	8.00	23.0	25.3	5.00

Note:

1. Test frequency : L : 100KHz /0.1V.
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L: HP4284A,HP4395A,CH11025,CH3302,CH1320 ,CH1320S LCR METER / Rdc:CH16502, Agilent33420A MICRO OHM METER, or EQU.
4. Current that causes the specified temperature rise from 25℃ ambient.
5. Saturation Current (Isat) will cause L0 to drop approximately 30%.

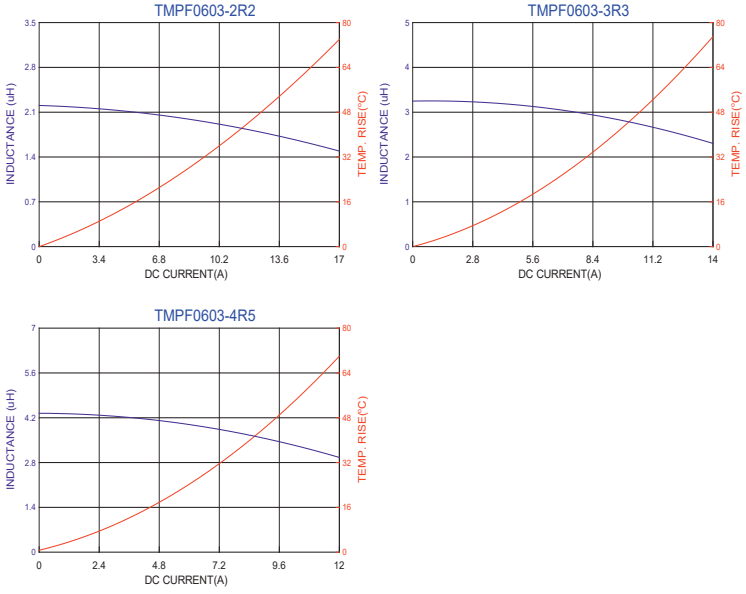
TMPF 0603A Series (2525 inch -55~+150)

■ DC Bias Characteristics (Typical)



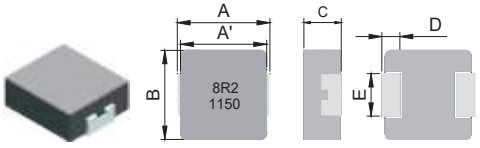
TMPF 0603A Series (2525 inch -55~+150)

■ DC Bias Characteristics (Typical)



TMPC 0603H Series (2424 inch -55~+125)

■ Dimensions



Dimensions	
A	7.30±0.30
A`	6.70±0.30
B	6.60±0.30
C	2.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) Typ.
TMPC0603HV-R10YG-D	0.10	±30	1V/100K	1.2	1.7	60.0	32.5
TMPC0603HV-R13YG-D	0.13	±30	1V/100K	1.3	1.8	50.0	27.6
TMPC0603HV-R15YG-D	0.15	±30	1V/100K	1.5	1.9	45.0	27
TMPC0603HV-R16YG-D	0.16	±30	1V/100K	1.5	1.9	45.0	27
TMPC0603HV-R18YG-D	0.18	±30	1V/100K	1.7	2.3	43.0	25.0
TMPC0603HV-R19YG-D	0.19	±30	1V/100K	1.8	2.5	41.0	24.0
TMPC0603HV-R20YG-D	0.20	±30	1V/100K	1.8	2.5	41.0	24.0
TMPC0603HV-R22YG-D	0.22	±30	1V/100K	2.1	2.8	40.0	23.0
TMPC0603HV-R25MG-D	0.25	±20	1V/100K	3.3	3.5	39.0	21.0
TMPC0603HV-R30MG-D	0.30	±20	1V/100K	3.2	3.8	35.0	21.0
TMPC0603HV-R33MG-D	0.33	±20	1V/100K	3.5	3.9	32.0	20.0
TMPC0603HV-R36MG-D	0.36	±20	1V/100K	3.6	4.2	32.0	19.0
TMPC0603HV-R40MG-D	0.40	±20	1V/100K	3.71	4.1	27.5	18.0
TMPC0603HV-R47MG-D	0.47	±20	1V/100K	4.0	4.2	26.0	17.5
TMPC0603HV-R56MG-D	0.56	±20	1V/100K	4.7	5.0	25.5	16.5
TMPC0603HV-R60MG-D	0.60	±20	1V/100K	4.7	5.2	25.5	16
TMPC0603HV-R68MG-D	0.68	±20	1V/100K	4.8	5.5	25.0	15.5
TMPC0603HV-R75MG-D	0.75	±20	1V/100K	5.5	6.6	24.5	14.5
TMPC0603HV-R82MG-D	0.82	±20	1V/100K	6.7	8.0	24.0	13.0
TMPC0603HV-R90MG-D	0.90	±20	1V/100K	8.3	10	22.0	11.0

TMPC 0603H Series (2424 inch -55~+125)

Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) Typ.
TMPC0603HV-1R0MG-D	1.00	±20	1V/100K	8.3	10	22.0	11.0
TMPC0603HV-1R2MG-D	1.20	±20	1V/100K	10	12	20.0	10.0
TMPC0603HV-1R5MG-D	1.50	±20	1V/100K	13	15	18.0	9.0
TMPC0603HV-1R8MG-D	1.80	±20	1V/100K	14	17	16.0	8.5
TMPC0603HV-2R0MG-D	2.00	±20	1V/100K	16	19	15.0	8.2
TMPC0603HV-2R2MG-D	2.20	±20	1V/100K	18	20	14.0	8.0
TMPC0603HV-2R5MG-D	2.50	±20	1V/100K	20	22	13.0	7.0
TMPC0603HV-2R7MG-D	2.70	±20	1V/100K	24	27	13.0	7.0
TMPC0603HV-3R3MG-D	3.30	±20	1V/100K	28	30	13.5	6.0
TMPC0603HV-4R7MG-D	4.70	±20	1V/100K	37	40	10.0	5.5
TMPC0603HV-5R6MG-D	5.60	±20	1V/100K	43	48	9.0	5.0
TMPC0603HV-6R8MG-D	6.80	±20	1V/100K	54	60	8.0	4.5
TMPC0603HV-8R2MG-D	8.20	±20	1V/100K	64	68	7.5	4.0
TMPC0603HV-100MG-D	10.0	±20	1V/100K	75	85	6.0	3.5
TMPC0603HV-120MG-D	12.0	±20	1V/100K	81	93	5.5	3.3
TMPC0603HV-150MG-D	15.0	±20	1V/100K	107	123	4.0	3.0
TMPC0603HV-180MG-D	18.0	±20	1V/100K	140	160	4.0	2.5
TMPC0603HV-220MG-D	22.0	±20	1V/100K	165	190	3.5	2.0
TMPC0603HV-330MG-D	33.0	±20	1V/100K	200	240	2.5	2.0
TMPC0603HV-470MG-D	47.0	±20	1V/100K	302	363	2.0	1.75

Note:

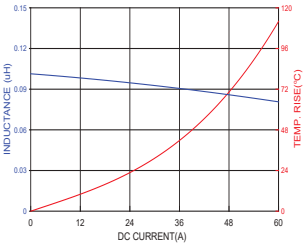
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

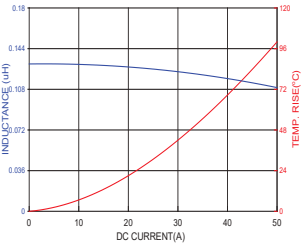
TMPC 0603H Series (2424 inch -55 ~+125)

■ DC Bias Characteristics (Typical)

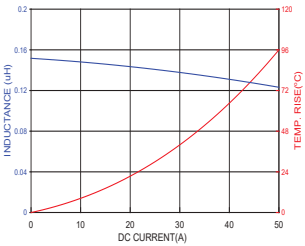
TMPC0603HV-R10



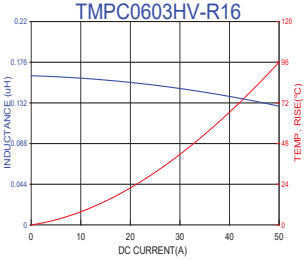
TMPC0603HV-R13



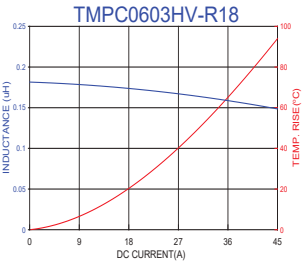
TMPC0603HV-R15



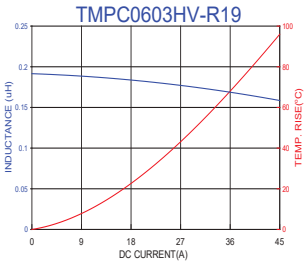
TMPC0603HV-R16



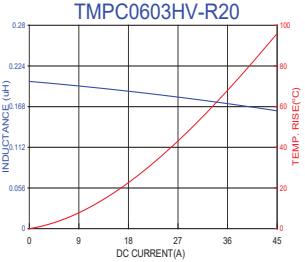
TMPC0603HV-R18



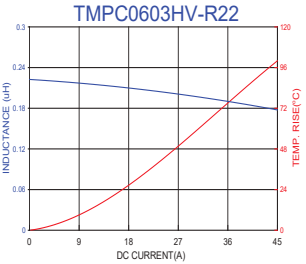
TMPC0603HV-R19



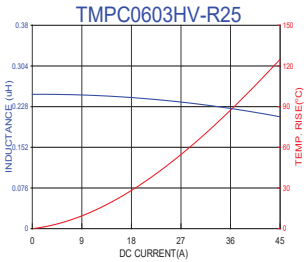
TMPC0603HV-R20



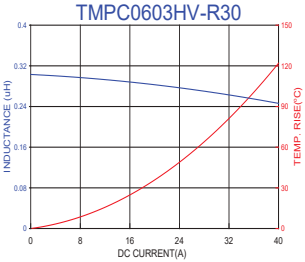
TMPC0603HV-R22



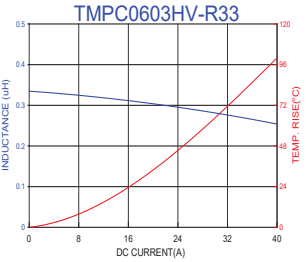
TMPC0603HV-R25



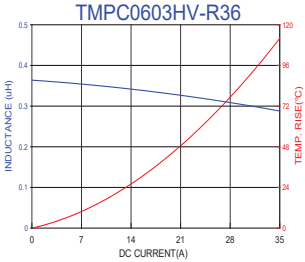
TMPC0603HV-R30



TMPC0603HV-R33



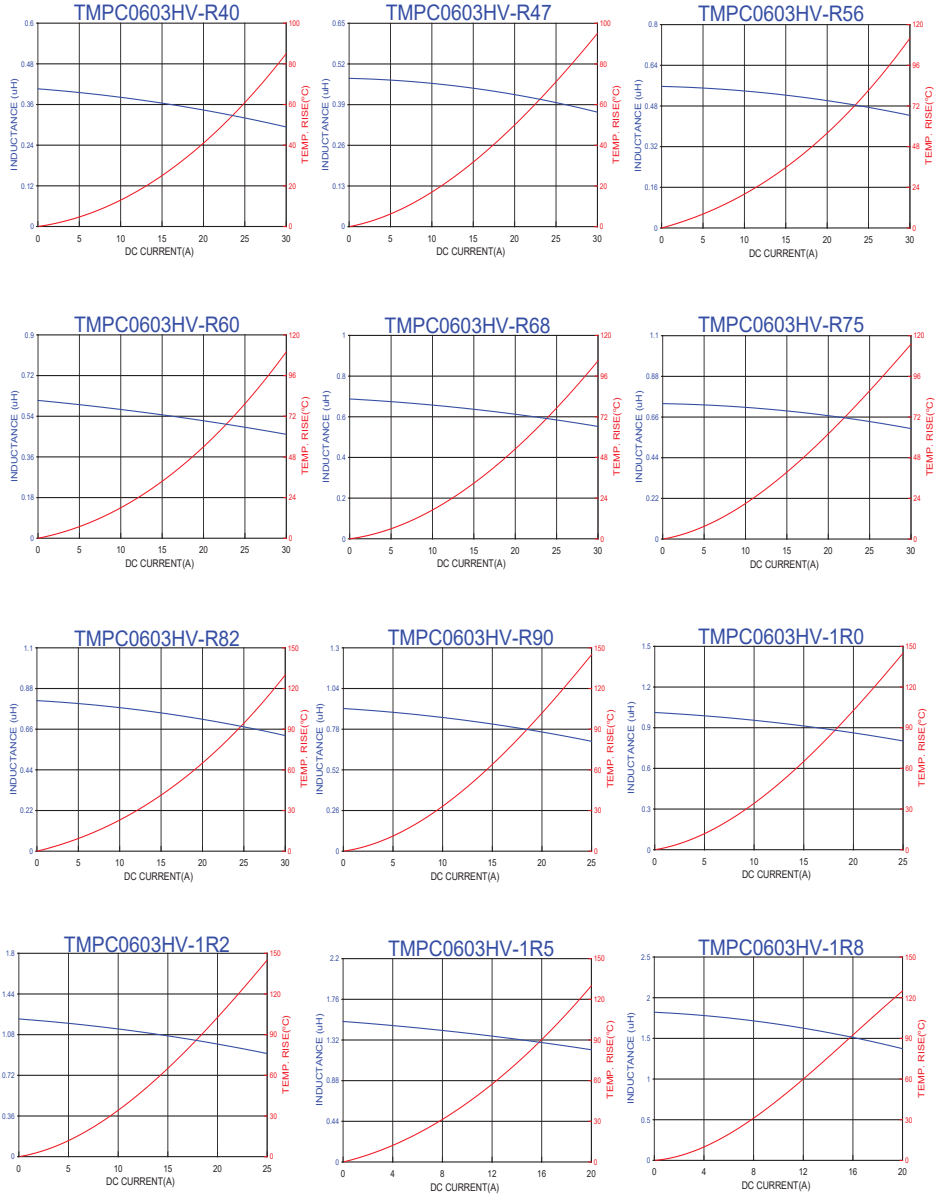
TMPC0603HV-R36



TMPC 0603H Series

(2424 inch -55~+125)

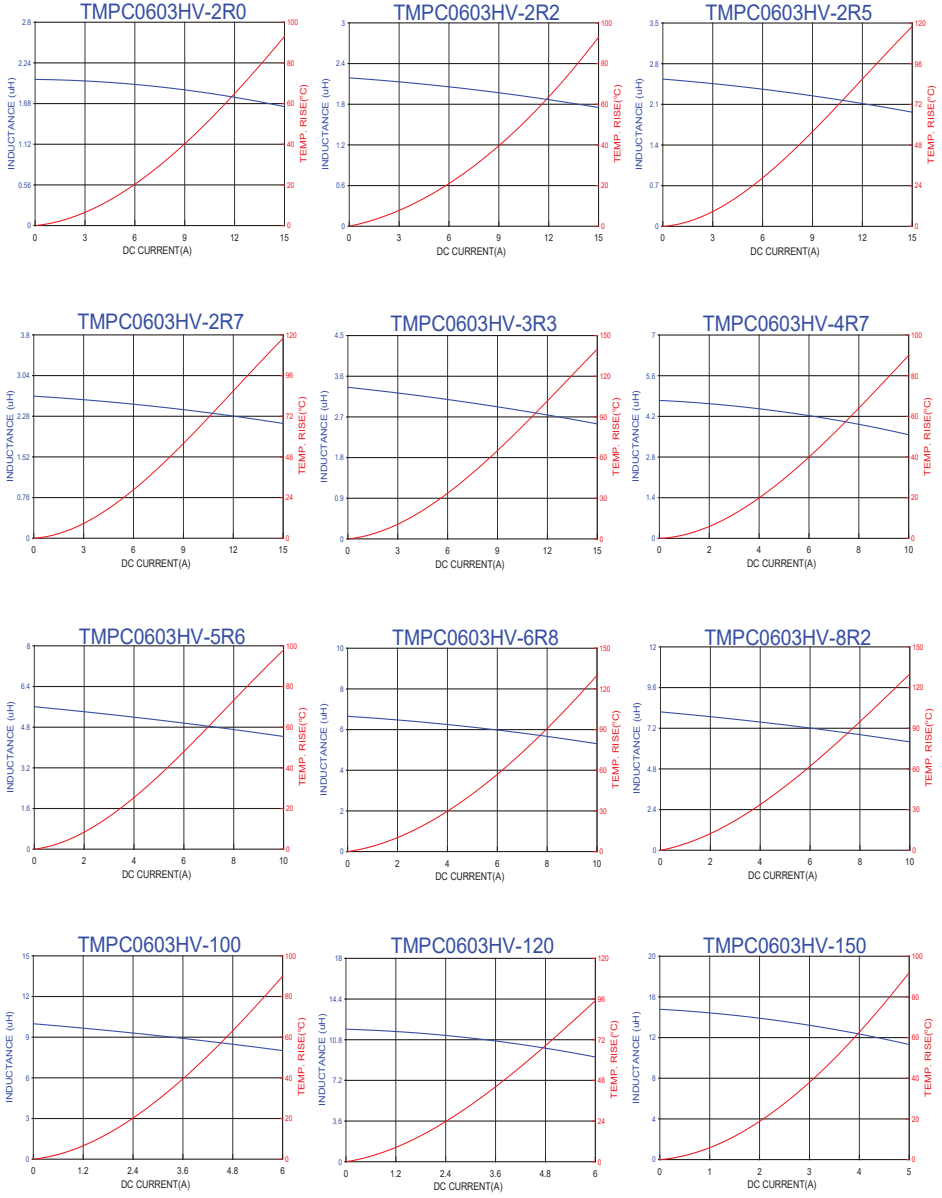
■ DC Bias Characteristics (Typical)



TMPC 0603H Series

(2424 inch -55~+125)

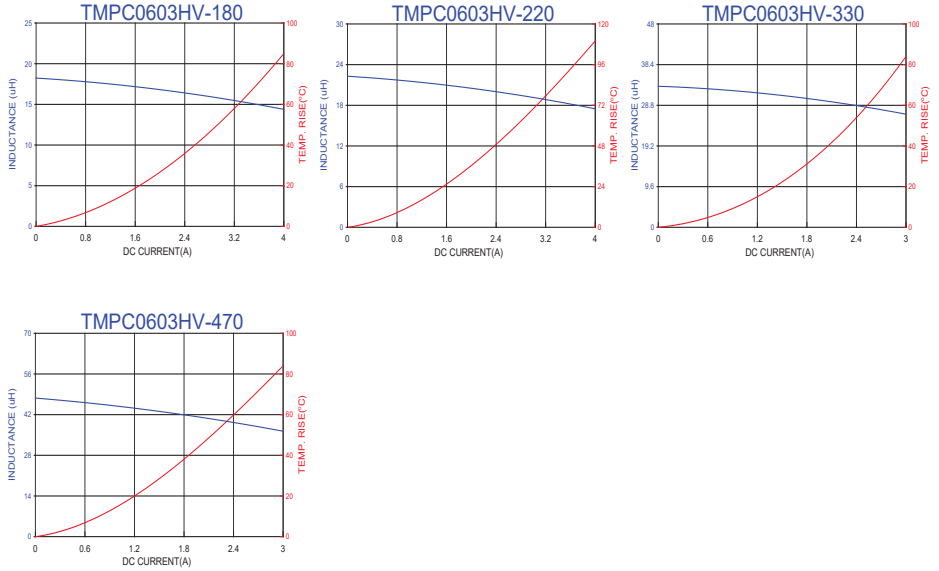
■ DC Bias Characteristics (Typical)



TMPC 0603H Series

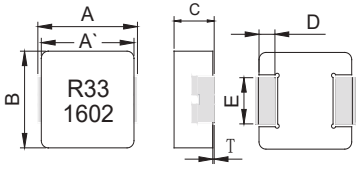
(2424 inch -55~+125)

■ DC Bias Characteristics (Typical)



TMPA 0604S Series (2424 inch -55~+150)

■ Dimensions



Dimensions	
A	7.10±0.30
A`	6.40±0.30
B	6.60±0.20
C	3.80±0.20
D	1.60±0.30
E	3.00±0.20
T	0~0.15

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA0604SV-R33MN-D	0.33	±20	1V/100K	2.2	2.5	28	25	25	23
TMPA0604SV-R45MN-D	0.45	±20	1V/100K	2.8	3.2	21	18	20	18
TMPA0604SV-R56MN-D	0.56	±20	1V/100K	3.4	3.7	20	17	19	16
TMPA0604SV-1R0MN-D	1.00	±20	1V/100K	5.6	6.2	15	13.5	15	13

Note:

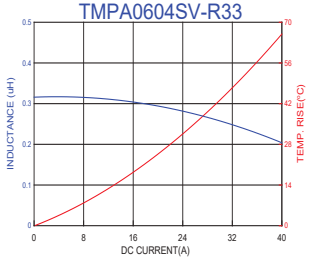
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

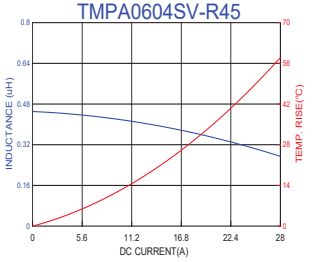
TMPA 0604S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

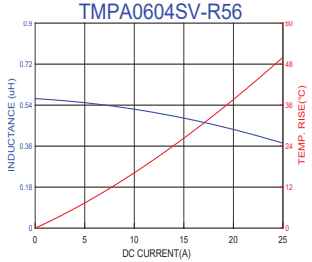
TMPA0604SV-R33



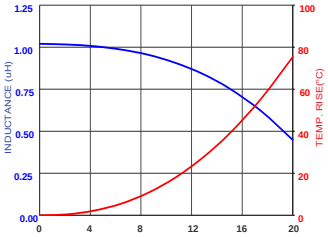
TMPA0604SV-R45



TMPA0604SV-R56



TMPA0604SV-1R0



TMPC 0604H Series (2525 inch -55~+125)

■ Dimensions

Dimensions	
A	7.30±0.30
B	6.60±0.30
C	3.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

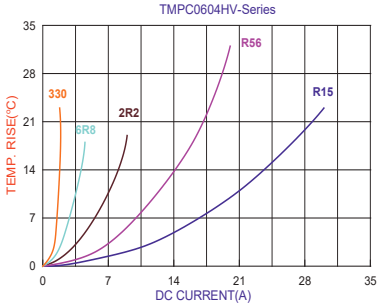
■ Specification

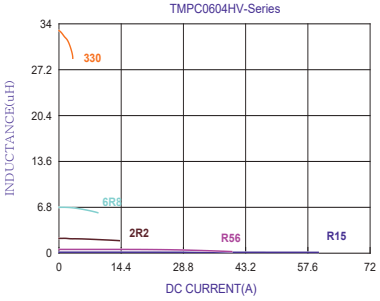
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0604HV-R15YG	0.15±30%	30.0	55.0	0.9	1.2
TMPC0604HV-R47MG	0.47	23.0	28.0	3.0	3.4
TMPC0604HV-R68MG	0.68	16.0	24.0	4.1	4.5
TMPC0604HV-1R0MG	1.00	14.0	22.0	6.8	8.0
TMPC0604HV-2R2MG	2.20	9.0	14.0	11.5	14.0
TMPC0604HV-3R3MG	3.30	8.0	12.0	24.0	27.0
TMPC0604HV-4R7MG	4.70	6.0	11.0	28.0	32.5
TMPC0604HV-5R6MG	5.60	5.0	9.0	33.0	38.0
TMPC0604HV-6R8MG	6.80	4.5	8.5	44.0	50.0
TMPC0604HV-100MG	10.0	4.0	7.0	64.0	72.0
TMPC0604HV-150MG	15.0	3.0	3.5	80.0	90.0

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

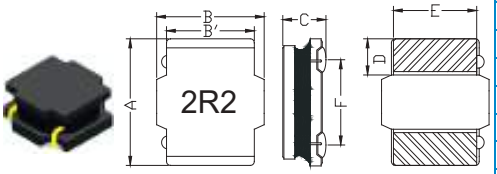
■ DC Bias Characteristics (Typical)





HPC 6045N Series (2424 inch -55~+125)

■ Dimensions



unit: mm

Dimensions	
A	6.00±0.20
B	6.00±0.20
B'	4.80±0.20
C	4.20±0.30
D	1.70±0.30
E	4.50±0.30
F	4.25±0.30

■ Specifications

Part Number	Inductance L0 (uH) @ 0 A	Tolerance				Rated current				DCR (mΩ) @25℃ ±20%.
						Temperature current I rms (A)		Saturation current I sat (A)		
		K	L	M	Y	Typ	Max	Typ	Max	
HPC6045NV-R36	0.36	/	/	±20%	±30%	9.00	8.50	18.00	16.50	4.80
HPC6045NV-R47	0.47	/	/	±20%	±30%	8.60	8.00	17.00	16.00	6.80
HPC6045NV-R82	0.82	/	/	±20%	±30%	8.20	7.50	14.50	13.50	8.50
HPC6045NV-1R0	1.00	/	/	±20%	±30%	8.00	7.30	13.50	12.50	10.0
HPC6045NV-1R2	1.20	/	/	±20%	±30%	7.50	7.00	12.50	11.50	10.5
HPC6045NV-1R3	1.30	/	/	±20%	±30%	7.50	7.00	12.50	11.50	10.5
HPC6045NV-1R5	1.50	/	/	±20%	±30%	7.00	6.60	12.00	11.00	11.7
HPC6045NV-1R8	1.80	/	/	±20%	±30%	6.80	6.20	11.00	10.00	12.0
HPC6045NV-2R0	2.00	/	/	±20%	±30%	6.50	5.80	10.50	9.50	13.5
HPC6045NV-2R2	2.20	/	/	±20%	±30%	6.00	5.30	9.50	8.55	15.0
HPC6045NV-2R3	2.30	/	/	±20%	±30%	5.80	5.00	9.30	8.20	16.0
HPC6045NV-3R0	3.00	/	/	±20%	±30%	5.20	4.60	8.00	7.50	20.0
HPC6045NV-3R3	3.30	/	/	±20%	±30%	5.00	4.50	7.80	7.30	21.0
HPC6045NV-3R6	3.60	/	/	±20%	±30%	4.90	4.30	7.40	6.90	22.5
HPC6045NV-4R7	4.70	/	±15%	±20%	±30%	4.50	4.00	6.80	6.20	26.0
HPC6045NV-5R6	5.60	/	±15%	±20%	±30%	4.10	3.70	6.40	5.70	31.0
HPC6045NV-6R3	6.30	/	±15%	±20%	±30%	3.80	3.50	5.90	5.30	33.0
HPC6045NV-6R8	6.80	/	±15%	±20%	±30%	3.60	3.30	5.70	5.15	34.0
HPC6045NV-8R2	8.20	/	±15%	±20%	±30%	3.40	2.90	5.10	4.50	46.0
HPC6045NV-100	10.0	±10%	±15%	±20%	±30%	3.20	2.60	4.60	4.20	52.0
HPC6045NV-150	15.0	±10%	±15%	±20%	±30%	2.80	2.20	3.80	3.30	71.0
HPC6045NV-180	18.0	±10%	±15%	±20%	±30%	2.60	2.10	3.40	2.90	80.0
HPC6045NV-220	22.0	±10%	±15%	±20%	±30%	2.30	1.90	3.30	2.70	96.0

Note:
1. All test data referenced to 25℃ ambient , Ls/Q:1MHz/1V.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately △t of 40℃.
3. Saturation Current (Isat) will cause L0 to drop approximately 30%.

HPC 6045 N Series (2424 inch -55~+125)

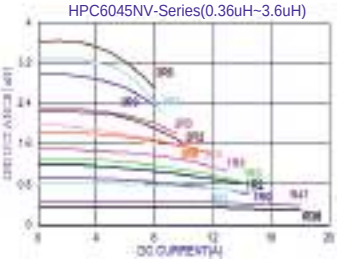
■ Specifications

Part Number	Inductance (uH)	Tolerance				Rated current				DCR (mΩ) @25℃ ±20%.
						Temperature current I rms (A)		Saturation current I sat (A)		
		K	L	M	Y	Typ	Max	Typ	Max	
HPC6045NV-330	33.0	±10%	±15%	±20%	±30%	1.80	1.50	2.50	2.10	145
HPC6045NV-470	47.0	±10%	±15%	±20%	±30%	1.60	1.20	2.00	1.75	200
HPC6045NV-560	56.0	±10%	±15%	±20%	±30%	1.40	1.00	1.80	1.65	230
HPC6045NV-680	68.0	±10%	±15%	±20%	±30%	1.10	0.92	1.60	1.52	305
HPC6045NV-820	82.0	±10%	±15%	±20%	±30%	0.98	0.88	1.50	1.40	365
HPC6045NV-101	100	±10%	±15%	±20%	±30%	0.92	0.82	1.33	1.25	456
HPC6045NV-121	120	±10%	±15%	±20%	±30%	0.85	0.79	1.20	1.10	500
HPC6045NV-151	150	±10%	±15%	±20%	±30%	0.75	0.70	1.10	1.00	626
HPC6045NV-181	180	±10%	±15%	±20%	±30%	0.68	0.60	1.00	0.90	745
HPC6045NV-221	220	±10%	±15%	±20%	±30%	0.60	0.50	0.88	0.77	900
HPC6045NV-331	330	±10%	±15%	±20%	±30%	0.55	0.45	0.60	0.55	1400
HPC6045NV-471	470	±10%	±15%	±20%	±30%	0.40	0.35	0.50	0.45	2050

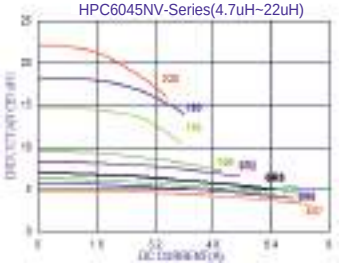
Note:
1. Heat Rated Current (Irms) will cause the coil temperature rise approximately △t of 40℃
2. Saturation Current (Isat) will cause L0 to drop approximately 30%

■ DC Bias Characteristics (Typical)

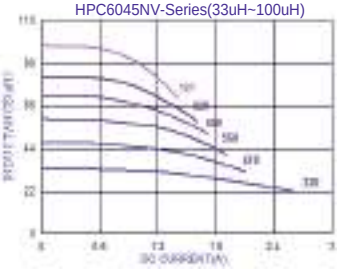
HPC6045NV-Series(0.36uH~3.6uH)



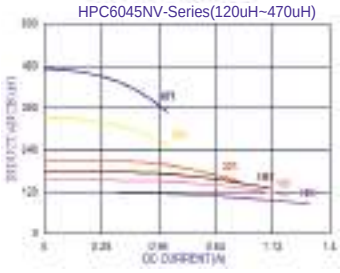
HPC6045NV-Series(4.7uH~22uH)



HPC6045NV-Series(33uH~100uH)

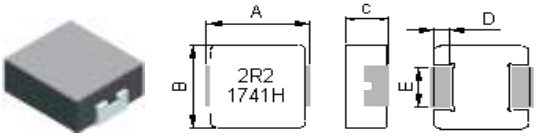


HPC6045NV-Series(120uH~470uH)



TMHC 0605S Series (2424 inch -55~+150)

■ Dimensions



Dimensions	
A	7.3±0.30
B	6.6±0.30
C	4.8±0.20
D	1.6±0.30
E	3.0±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC0605SV-R10YN-D	0.10	±30	1V/100K	1.05	1.20	65	60	32	28
TMHC0605SV-R15YN-D	0.15	±30	1V/100K	1.30	1.70	55	50	30	27
TMHC0605SV-R22MN-D	0.22	±20	1V/100K	1.60	1.90	40	35	26	23
TMHC0605SV-R33MN-D	0.33	±20	1V/100K	2.50	3.00	35	32	24	21
TMHC0605SV-R47MN-D	0.47	±20	1V/100K	3.20	3.70	30	27	22	20
TMHC0605SV-R68MN-D	0.68	±20	1V/100K	4.00	4.50	25	22	18	16
TMHC0605SV-1R0MN-D	1.00	±20	1V/100K	5.60	6.20	18	15	16	14
TMHC0605SV-1R5MN-D	1.50	±20	1V/100K	7.60	8.50	16	14	14	12
TMHC0605SV-2R2MN-D	2.20	±20	1V/100K	11.2	12.0	13	11	13	11
TMHC0605SV-3R3MN-D	3.30	±20	1V/100K	19.0	20.9	12	10	8.5	7.5
TMHC0605SV-4R7MN-D	4.70	±20	1V/100K	26.0	30.0	9.5	8.0	8.0	6.5
TMHC0605SV-6R8MN-D	6.80	±20	1V/100K	42.0	48.0	8.5	7.0	6.5	5.5
TMHC0605SV-8R2MN-D	8.20	±20	1V/100K	49.0	56.0	7.5	6.5	6.0	5.0
TMHC0605SV-100MN-D	10.0	±20	1V/100K	52.0	60.0	7.0	6.0	5.5	4.5

Note:

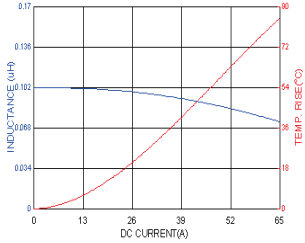
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

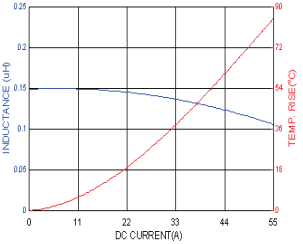
TMHC 0605S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

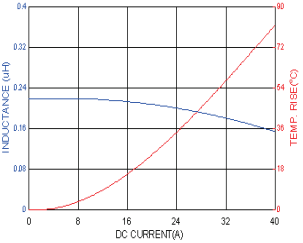
TMHC0605SV-R10



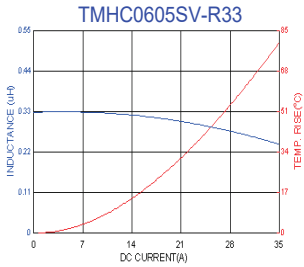
TMHC0605SV-R15



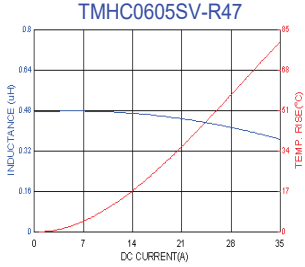
TMHC0605SV-R22



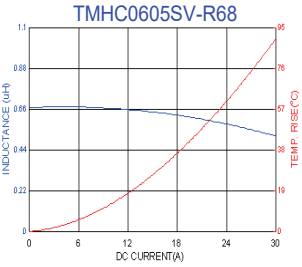
TMHC0605SV-R33



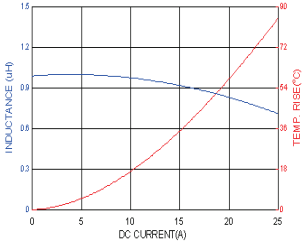
TMHC0605SV-R47



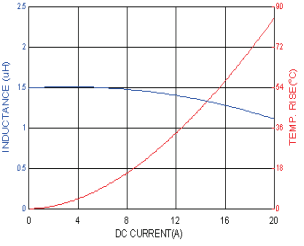
TMHC0605SV-R68



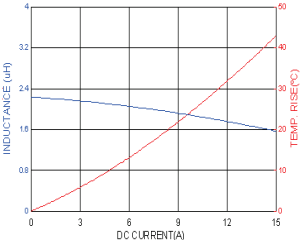
TMHC0605SV-1R0



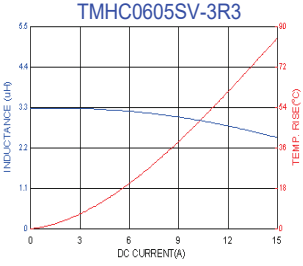
TMHC0605SV-1R5



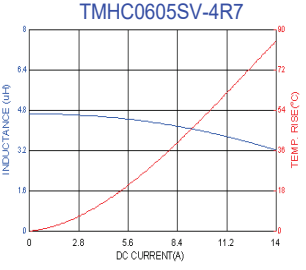
TMHC0605SV-2R2



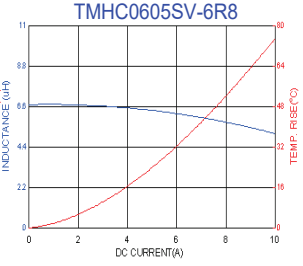
TMHC0605SV-3R3



TMHC0605SV-4R7

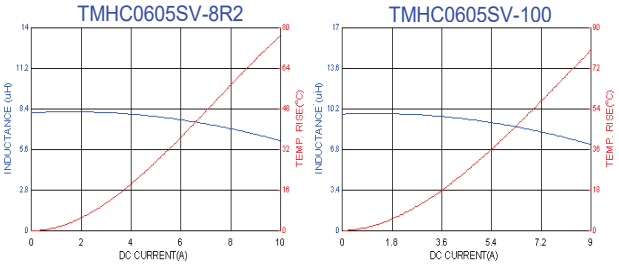


TMHC0605SV-6R8



TMHC 0605S Series (2424 inch -55~+150)

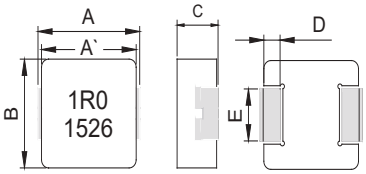
■ DC Bias Characteristics (Typical)



TMPA 0605S Series

(2424 inch -55~+150)

■ Dimensions



Dimensions	
A	7.30±0.30
A`	6.70±0.20
B	6.60±0.30
C	4.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA0605SV-R47MN-D	0.47	±20	1V/100K	2.9	3.3	22	20	22	20
TMPA0605SV-R68MN-D	0.68	±20	1V/100K	3.6	4.1	20	17	20	18
TMPA0605SV-1R0MN-D	1.00	±20	1V/100K	5.6	6.2	16	13	17	15
TMPA0605SV-1R5MN-D	1.50	±20	1V/100K	6.6	7.3	13	10.5	15	13
TMPA0605SV-2R2MN-D	2.20	±20	1V/100K	10	11.5	10	8.5	14	12
TMPA0605SV-3R3MN-D	3.30	±20	1V/100K	14	16.2	9.5	8.0	13	11
TMPA0605SV-4R7MN-D	4.70	±20	1V/100K	20.8	24	8.8	7.5	11	9.5
TMPA0605SV-6R8MN-D	6.80	±20	1V/100K	30	36	7.6	7.0	9.0	8.0
TMPA0605SV-8R2MN-D	8.20	±20	1V/100K	38.5	45	6.5	6.0	7.5	6.5
TMPA0605SV-100MN-D	10.0	±20	1V/100K	44	53	6.0	5.7	7.0	6.0
TMPA0605SV-150MN-D	15.0	±20	1V/100K	73	85	4.0	3.2	5.0	4.0
TMPA0605SV-220MN-D	22.0	±20	1V/100K	122	142	3.6	3.1	4.2	3.6
TMPA0605SV-330MN-D	33.0	±20	1V/100K	142	170	2.3	1.8	3.0	2.5
TMPA0605SV-470MN-D	47.0	±20	1V/100K	275	320	1.8	1.5	2.6	2.0

Note:

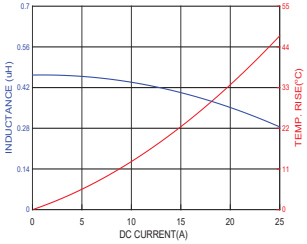
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

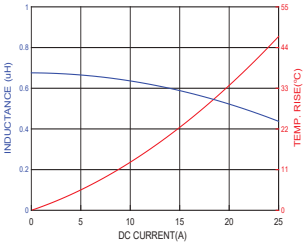
TMPA 0605S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

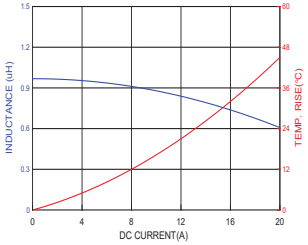
TMPA0605SV-R47



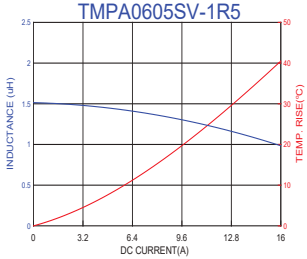
TMPA0605SV-R68



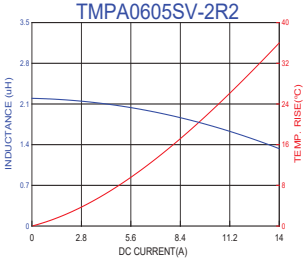
TMPA0605SV-1R0



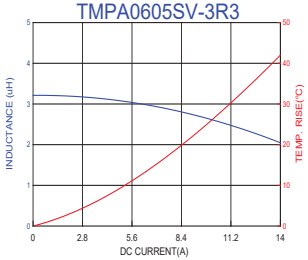
TMPA0605SV-1R5



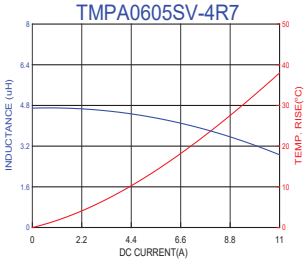
TMPA0605SV-2R2



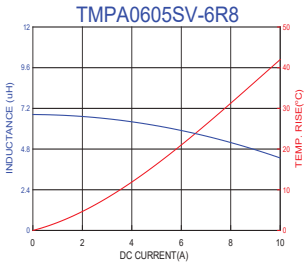
TMPA0605SV-3R3



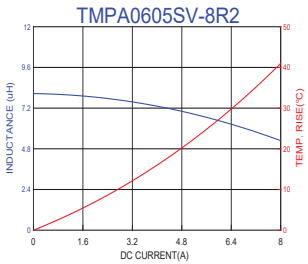
TMPA0605SV-4R7



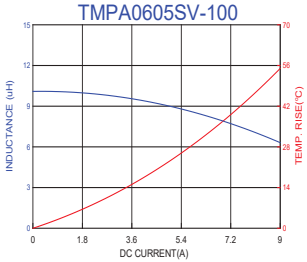
TMPA0605SV-6R8



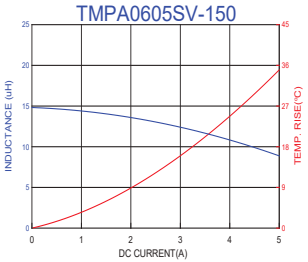
TMPA0605SV-8R2



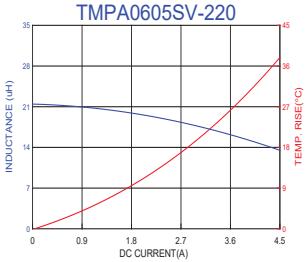
TMPA0605SV-100



TMPA0605SV-150



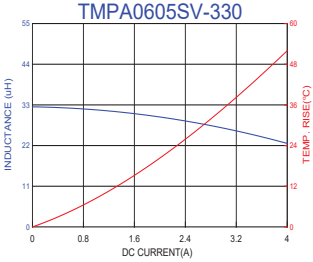
TMPA0605SV-220



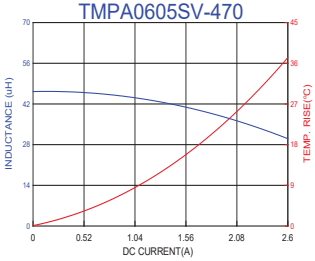
TMPA 0605S Series (2424 inch -55~+150)

■ DC Bias Characteristics (Typical)

TMPA0605SV-330

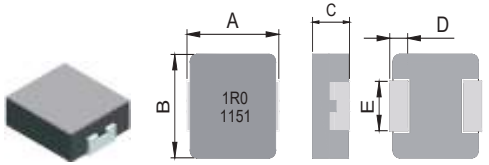


TMPA0605SV-470



TMPC 0605H Series (2424 inch -55~+125)

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.30
C	4.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

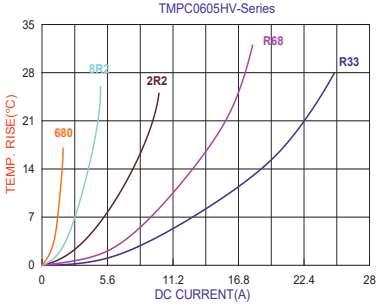
■ Specification

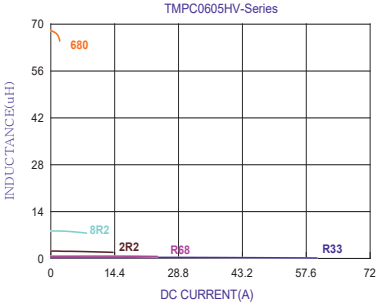
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC0605HV-R33MG-D	0.33	25.0	32.0	2.5	3.0
TMPC0605HV-R47MG-D	0.47	22.0	30.0	3.5	3.9
TMPC0605HV-R68MG-D	0.68	18.0	24.0	4.0	4.5
TMPC0605HV-1R0MG-D	1.00	15.0	20.0	6.1	6.5
TMPC0605HV-2R2MG-D	2.20	10.0	14.0	11.2	12.0
TMPC0605HV-3R3MG-D	3.30	8.0	12.0	19.0	20.9
TMPC0605HV-4R7MG-D	4.70	6.5	10.0	28.0	30.8
TMPC0605HV-5R6MG-D	5.60	6.0	9.0	43.5	49.0
TMPC0605HV-6R8MG-D	6.80	5.5	8.5	46.0	51.5
TMPC0605HV-100MG-D	10.0	4.0	7.5	60.0	69.0
TMPC0605HV-220MG-D	22.0	2.5	5.5	140	170

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

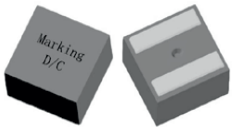
■ DC Bias Characteristics (Typical)

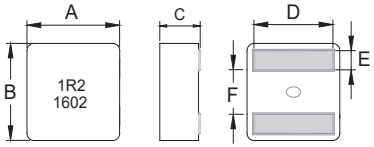




TMPF 0702A Series (2828 inch -55~+150)

■ Dimensions





Dimensions	
A	7.80±0.25
B	7.60±0.20
C	1.85±0.20
D	See spec table
E	1.75±0.20
F	3.15±0.25

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) MAX.	I sat (A) Typ	I sat (A) Max.	I rms (A) Typ.	I rms (A) MAX
TMPF0702AV-R27MN-D	0.27	±20	1V/100K	2.9	3.5	35	32	16	21
TMPF0702AV-R31MN-D	0.31	±20	1V/100K	4.0	4.8	34	31	14	20
TMPF0702AV-R33MN-D	0.33	±20	1V/100K	4.0	4.8	34	31	13	19
TMPF0702AV-R47MN-D	0.47	±20	1V/100K	5.1	6.2	28	25	12	17
TMPF0702AV-R68MN-D	0.68	±20	1V/100K	7.9	9.2	25	23	10	13
TMPF0702AV-1R0MN-D	1.00	±20	1V/100K	9.8	10.8	23	20	8.0	11

Note:

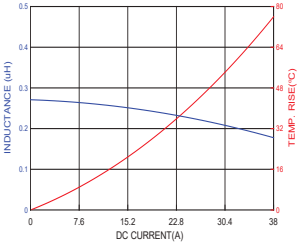
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

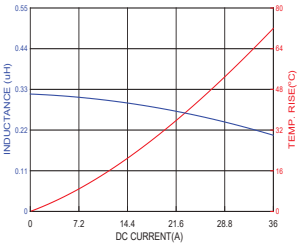
TMPF 0702A Series (2828 inch -55~+150)

■ DC Bias Characteristics (Typical)

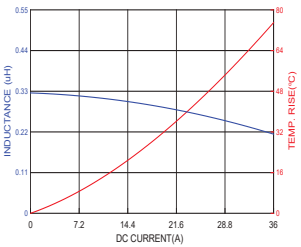
TMPF0702AV-R27



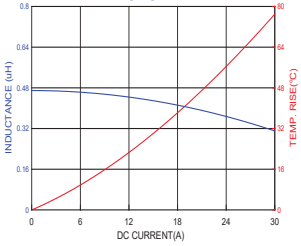
TMPF0702AV-R31



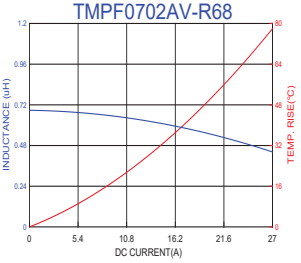
TMPF0702AV-R33



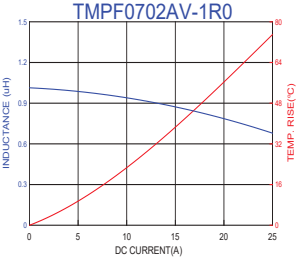
TMPF0702AV-R47



TMPF0702AV-R68



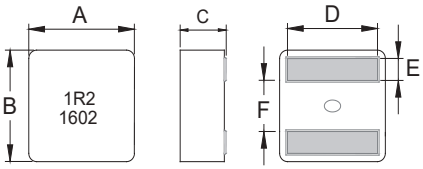
TMPF0702AV-1R0



TMPF 0703A Series

(2828 inch -55~+150)

■ Dimensions



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
TMPF0703A	7.80±0.25	7.60±0.20	2.90±0.2	See Spec Table	1.75±0.2	3.15±0.25

■ Specifications

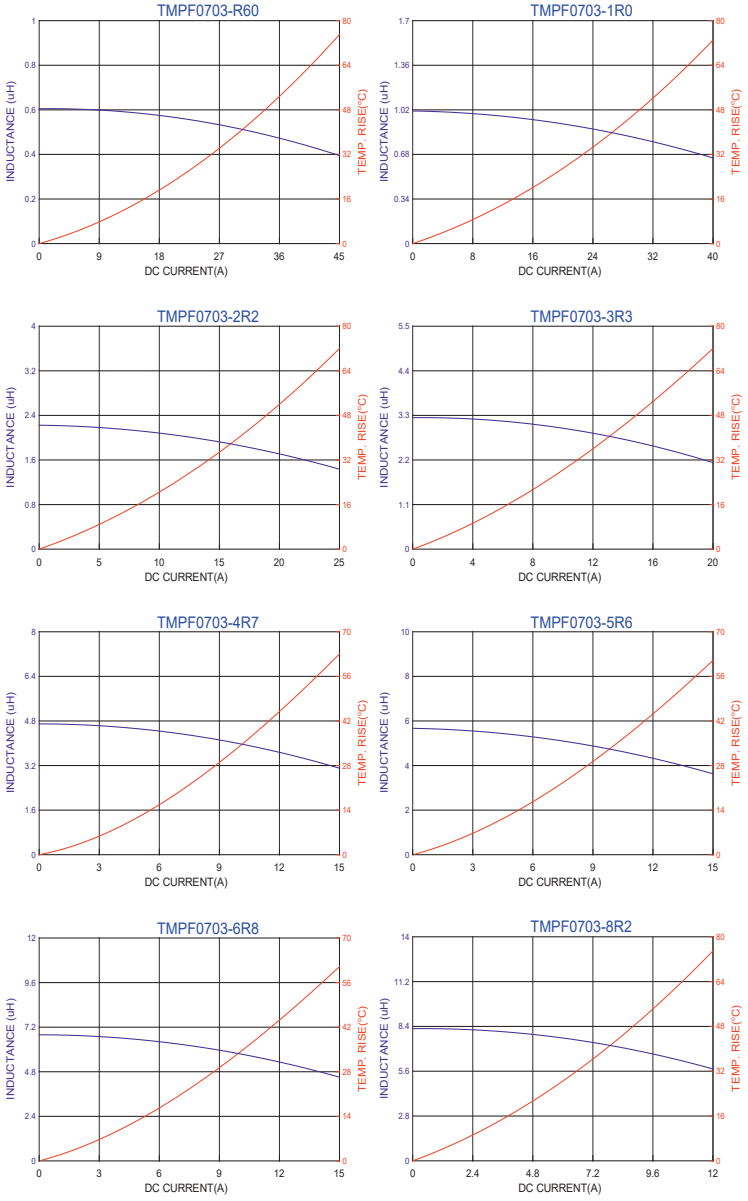
Part Number	Inductance (uH) ±20% @ 0 A	I rms(A) Typ		I sat(A)		DCR (mΩ) Typ.	DCR (mΩ) Max.	D (mm) ±0.3
		20℃ rise	40℃ rise	Typ	Max			
TMPF0703AV-R60MN-D	0.60	18.0	23.0	36.0	32.0	2.90	3.20	6.6
TMPF0703AV-1R0MN-D	1.00	16.1	21.8	30.0	28.0	4.55	5.00	6.6
TMPF0703AV-1R5MN-D	1.50	12.0	15.3	25.0	23.5	7.50	8.25	6.6
TMPF0703AV-2R2MN-D	2.20	10.0	13.0	19.0	17.0	12.4	13.7	6.2
TMPF0703AV-3R3MN-D	3.30	8.00	10.0	15.0	13.0	16.3	18.0	6.2
TMPF0703AV-4R7MN-D	4.70	6.90	9.00	13.5	12.2	24.2	26.7	6.2
TMPF0703AV-5R6MN-D	5.60	5.30	7.30	12.5	11.5	30.1	33.2	6.2
TMPF0703AV-6R8MN-D	6.80	4.50	6.80	12.0	11.0	38.6	42.5	6.2
TMPF0703AV-8R2MN-D	8.20	3.00	5.90	10.2	9.0	44.3	48.8	6.2

Note:

1. Test frequency : L : 100KHz /0.1V.
2. All test data referenced to 25℃ ambient.
3. Testing Instrument : L: HP4284A,HP4395A,CH11025,CH3302,CH1320 ,CH1320S LCR METER / Rdc:CH16502,Agilent33420A MICRO OHM METER,or EQU.
4. Current that causes the specified temperature rise from 25℃ ambient.
5. Saturation Current (Isat) will cause L0 to drop approximately 30%.

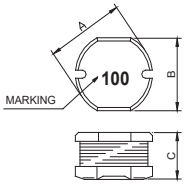
TMPF 0703A Series (2828 inch -55~+150)

■ DC Bias Characteristics (Typical)



FPI 0705 BM Series (2828 inch -55~+125)

■ Dimensions



Dimensions	A(mm)	B(mm)	C(mm)
FPI0705BM	7.80±0.3	7.00±0.3	5.00±0.3

Units: mm

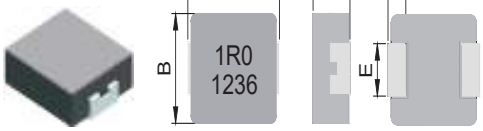
■ Specifications

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0705BMV-3R3M	3.30	± 20%	1V/7.96M	0.03	4.60
FPI 0705BMV-4R7M	4.70	± 20%	1V/7.96M	0.04	4.20
FPI 0705BMV-100M	10.0	± 20%	1V/2.52M	0.07	2.30
FPI 0705BMV-120M	12.0	± 20%	1V/2.52M	0.08	2.00
FPI 0705BMV-150M	15.0	± 20%	1V/2.52M	0.09	1.80
FPI 0705BMV-180M	18.0	± 20%	1V/2.52M	0.10	1.60
FPI 0705BMV-220M	22.0	± 20%	1V/2.52M	0.11	1.50
FPI 0705BMV-270M	27.0	± 20%	1V/2.52M	0.12	1.30
FPI 0705BMV-330M	33.0	± 20%	1V/2.52M	0.13	1.20
FPI 0705BMV-390M	39.0	± 20%	1V/2.52M	0.16	1.10
FPI 0705BMV-470K	47.0	± 10%	1V/2.52M	0.18	1.10
FPI 0705BMV-560K	56.0	± 10%	1V/2.52M	0.24	0.94
FPI 0705BMV-680K	68.0	± 10%	1V/2.52M	0.28	0.85
FPI 0705BMV-820K	82.0	± 10%	1V/2.52M	0.37	0.78
FPI 0705BMV-101K	100	± 10%	1V/1K	0.43	0.72
FPI 0705BMV-121K	120	± 10%	1V/1K	0.47	0.66
FPI 0705BMV-151K	150	± 10%	1V/1K	0.64	0.58
FPI 0705BMV-181K	180	± 10%	1V/1K	0.71	0.51
FPI 0705BMV-221K	220	± 10%	1V/1K	0.96	0.49
FPI 0705BMV-271K	270	± 10%	1V/1K	1.11	0.42
FPI 0705BMV-331K	330	± 10%	1V/1K	1.26	0.40
FPI 0705BMV-391K	390	± 10%	1V/1K	1.77	0.36
FPI 0705BMV-471K	470	± 10%	1V/1K	1.96	0.34

Note:
Based on inductance change （△L/L0：≦-35%）@ ambient temp. 25℃
Based on temperature rise （△T：40℃ typ.）

TMPC 0803HP Series (3232 inch –55~+125)

■ Dimensions



Dimensions	
A	9.50±0.30
B	8.50±0.30
C	2.80±0.20
D	1.40±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) Typ.
TMPC0803HPV-R22MG-D	0.22	±20	1V/100K	1.46	1.61	45	30
TMPC0803HPV-R33MG-D	0.33	±20	1V/100K	2.3	2.6	37	25
TMPC0803HPV-R47MG-D	0.47	±20	1V/100K	3.0	3.4	35	21.5
TMPC0803HPV-1R0MG-D	1.00	±20	1V/100K	7.0	8.1	29	14
TMPC0803HPV-1R5MG-D	1.50	±20	1V/100K	10.2	11.8	24	11.5
TMPC0803HPV-2R2MG-D	2.20	±20	1V/100K	18	20.5	21	9.0
TMPC0803HPV-3R3MG-D	3.30	±20	1V/100K	23	27	14	8.0
TMPC0803HPV-4R7MG-D	4.70	±20	1V/100K	32	37	11	7.0
TMPC0803HPV-6R8MG-D	6.80	±20	1V/100K	46	53	9.0	5.5
TMPC0803HPV-8R2MG-D	8.20	±20	1V/100K	52	60	8.5	5.0
TMPC0803HPV-100MG-D	10.0	±20	1V/100K	65	75	8.2	4.7
TMPC0803HPV-150MG-D	15.0	±20	1V/100K	88	102	7.0	3.8
TMPC0803HPV-220MG-D	22.0	±20	1V/100K	145	180	4.5	3.0
TMPC0803HPV-330MG-D	33.0	±20	1V/100K	190	220	4.0	2.8

Note:

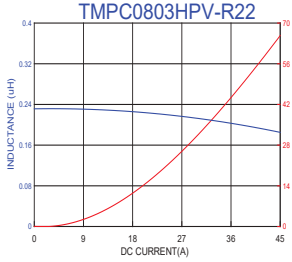
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

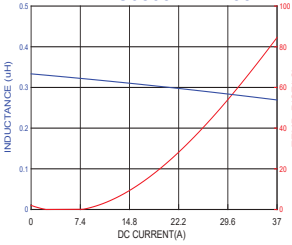
TMPC 0803HP Series (3232 inch -55~+125)

■ DC Bias Characteristics (Typical)

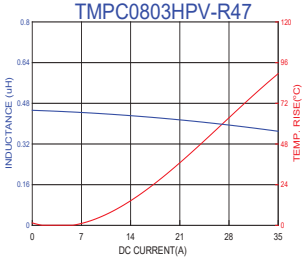
TMPC0803HPV-R22



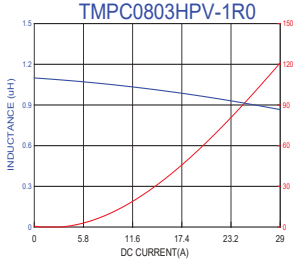
TMPC0803HPV-R33



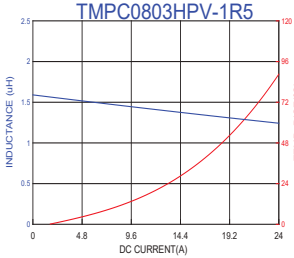
TMPC0803HPV-R47



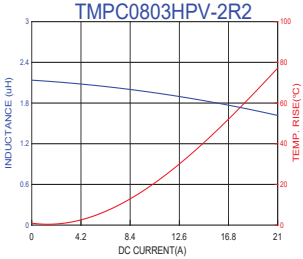
TMPC0803HPV-1R0



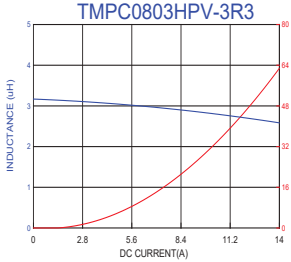
TMPC0803HPV-1R5



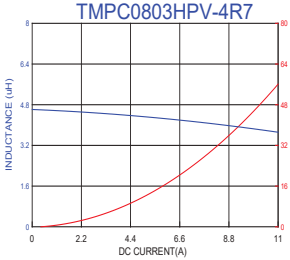
TMPC0803HPV-2R2



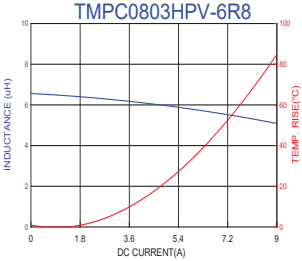
TMPC0803HPV-3R3



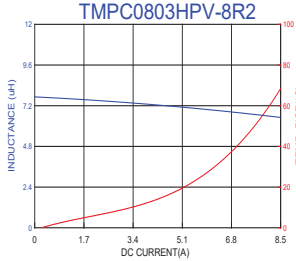
TMPC0803HPV-4R7



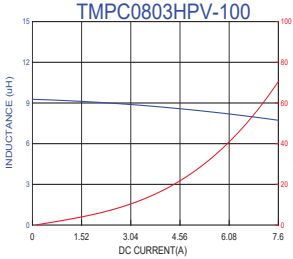
TMPC0803HPV-6R8



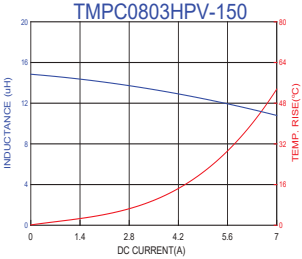
TMPC0803HPV-8R2



TMPC0803HPV-100

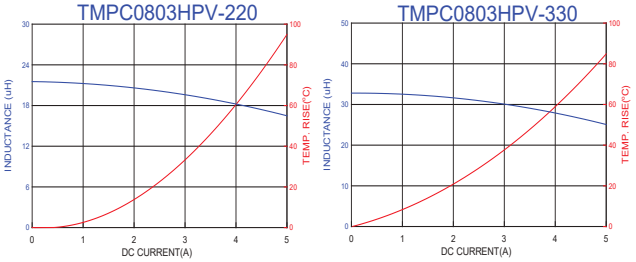


TMPC0803HPV-150



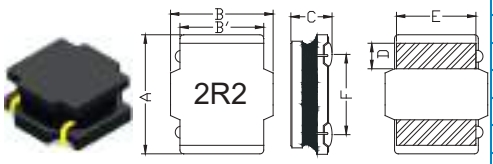
TMPC 0803HP Series (3232 inch -55~+125)

■ DC Bias Characteristics (Typical)



HPC 8040N Series (3232 inch -55~+125)

■ Dimensions



Dimensions	
A	8.00±0.30
B	8.00±0.30
B'	6.30±0.20
C	*1 3.90±0.30 / *2 3.70±0.30
D	2.00±0.30
E	6.00±0.30
F	5.50±0.40

Units: mm

*1 1R0~100 Type
*2 150~471 Type

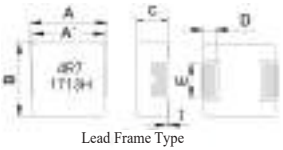
■ Specifications

Part Number	Inductance L0 (uH) @ 0 A	Tolerance				Frequency	Rated current				DCR (mΩ) @25℃ ±20%.
							Temperature current I rms (A)		Saturation current I sat (A)		
		K	L	M	Y		Typ	Max	Typ	Max	
HPC8040NV-1R0☐	1.00	/	/	±20%	±30%	1MHz/1V	8.50	8.00	13.80	13.00	8.2
HPC8040NV-1R5☐	1.50	/	/	±20%	±30%	1MHz/1V	8.00	7.70	11.50	11.00	10.0
HPC8040NV-2R2☐	2.20	/	/	±20%	±30%	1MHz/1V	7.40	6.90	9.80	9.20	11.5
HPC8040NV-3R3☐	3.30	/	/	±20%	±30%	1MHz/1V	6.60	6.20	8.00	7.50	15.0
HPC8040NV-4R7☐	4.70	/	±15%	±20%	±30%	1MHz/1V	5.80	5.30	6.70	6.00	19.5
HPC8040NV-5R6☐	5.60	/	±15%	±20%	±30%	1MHz/1V	5.40	5.20	6.20	5.80	22.0
HPC8040NV-6R8☐	6.80	/	±15%	±20%	±30%	1MHz/1V	5.10	5.00	5.60	5.10	25.0
HPC8040NV-8R2☐	8.20	/	±15%	±20%	±30%	1MHz/1V	4.80	4.50	5.30	4.60	30.0
HPC8040NV-100☐	10.0	±10%	±15%	±20%	±30%	1MHz/1V	4.60	4.20	5.00	4.30	33.0
HPC8040NV-150☐	15.0	±10%	±15%	±20%	±30%	1MHz/1V	3.60	3.20	4.00	3.60	50.0
HPC8040NV-220☐	22.0	±10%	±15%	±20%	±30%	1MHz/1V	2.90	2.45	3.10	2.80	73.0
HPC8040NV-330☐	33.0	±10%	±15%	±20%	±30%	1MHz/1V	2.30	2.10	2.60	2.10	100
HPC8040NV-470☐	47.0	±10%	±15%	±20%	±30%	1MHz/1V	2.00	1.70	2.20	1.90	135
HPC8040NV-560☐	56.0	±10%	±15%	±20%	±30%	1MHz/1V	1.75	1.60	1.90	1.60	160
HPC8040NV-680☐	68.0	±10%	±15%	±20%	±30%	1MHz/1V	1.65	1.50	1.75	1.50	205
HPC8040NV-820☐	82.0	±10%	±15%	±20%	±30%	1MHz/1V	1.40	1.30	1.60	1.40	230
HPC8040NV-101☐	100	±10%	±15%	±20%	±30%	1MHz/1V	1.20	1.10	1.45	1.20	300
HPC8040NV-121☐	120	±10%	±15%	±20%	±30%	1MHz/1V	1.10	1.00	1.30	1.10	350
HPC8040NV-151☐	150	±10%	±15%	±20%	±30%	1MHz/1V	0.98	0.90	1.20	1.03	410
HPC8040NV-181☐	180	±10%	±15%	±20%	±30%	1MHz/1V	0.91	0.83	1.04	0.94	490
HPC8040NV-221☐	220	±10%	±15%	±20%	±30%	1MHz/1V	0.85	0.76	0.99	0.90	610
HPC8040NV-331☐	330	±10%	±15%	±20%	±30%	100KHz/1V	0.70	0.66	0.75	0.70	850
HPC8040NV-471☐	470	±10%	±15%	±20%	±30%	100KHz/1V	0.63	0.58	0.60	0.55	1300

Note:
1. All test data referenced to 25℃ ambient , Ls:1MHz/1V.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
3. Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMHC 1004S Series (4040 inch -55~+150)

■ Dimensions



Lead Frame Type

Non Lead Frame Type

Dimensions		
A	11.0±0.30	
A`	10.0±0.30	
B	10.0±0.30	
C	3.8±0.20	
D	2.0±0.30	
T	0~0.2	
E	2.5±0.30	0.68uH
	3.0±0.30	0.56uH and below
		1.00uH and above

Units: mm

■ Specifications

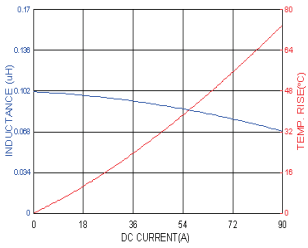
Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC1004SV-R10YN-D	0.10	±30	1V/100K	0.32	0.38	85.0	80.0	53.0	47.0
TMHC1004SV-R15MN-D	0.15	±20	1V/100K	0.50	0.60	80.0	70.0	45.0	40.0
TMHC1004SV-R20MN-D	0.20	±20	1V/100K	0.80	1.00	75.0	65.0	40.0	37.0
TMHC1004SV-R22MN-D	0.22	±20	1V/100K	0.80	1.00	75.0	65.0	40.0	37.0
TMHC1004SV-R30MN-D	0.30	±20	1V/100K	1.00	1.20	70.0	60.0	38.0	35.0
TMHC1004SV-R33MN-D	0.33	±20	1V/100K	1.00	1.20	70.0	60.0	38.0	35.0
TMHC1004SV-R36MN-D	0.36	±20	1V/100K	1.05	1.20	60.0	52.0	36.0	33.0
TMHC1004SV-R47MN-D	0.47	±20	1V/100K	1.30	1.50	48.0	43.0	31.0	28.0
TMHC1004SV-R56MN-D	0.56	±20	1V/100K	1.60	1.80	46.0	41.0	27.0	25.0
TMHC1004SV-R68MN-D	0.68	±20	1V/100K	2.30	2.70	45.0	40.0	24.0	22.0
TMHC1004SV-1R0MN-D	1.00	±20	1V/100K	3.50	4.00	39.0	36.0	20.0	18.0
TMHC1004SV-1R5MN-D	1.50	±20	1V/100K	4.70	5.30	35.0	33.0	18.0	16.0
TMHC1004SV-2R2MN-D	2.20	±20	1V/100K	6.50	7.20	27.0	24.0	15.0	13.0
TMHC1004SV-3R3MN-D	3.30	±20	1V/100K	10.8	11.8	22.0	19.0	14.0	11.0
TMHC1004SV-4R7MN-D	4.70	±20	1V/100K	14.5	15.5	20.0	18.0	13.0	10.5
TMHC1004SV-5R6MN-D	5.60	±20	1V/100K	18.0	19.3	16.0	14.0	12.0	10.0
TMHC1004SV-6R8MN-D	6.80	±20	1V/100K	19.0	23.3	15.0	13.5	10.0	9.00
TMHC1004SV-8R2MN-D	8.20	±20	1V/100K	20.0	22.5	13.5	12.5	9.0	8.00
TMHC1004SV-100MN-D	10.0	±20	1V/100K	29.0	32.0	12.5	11.0	8.50	7.50
TMHC1004SV-150MN-D	15.0	±20	1V/100K	40.0	45.0	10.0	8.00	6.30	6.00
TMHC1004SV-220MN-D	22.0	±20	1V/100K	62.0	74.0	7.50	6.50	5.20	4.60
TMHC1004SV-330MN-D	33.0	±20	1V/100K	94.0	112	6.00	5.00	4.00	3.50
TMHC1004SV-470MN-D	47.0	±20	1V/100K	145	167	5.00	4.50	3.20	2.70

Note: 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃
2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

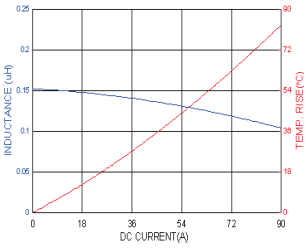
TMHC 1004S Series (4040 inch -55~+150)

■ DC Bias Characteristics (Typical)

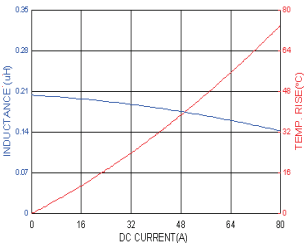
TMHC1004SV-R10



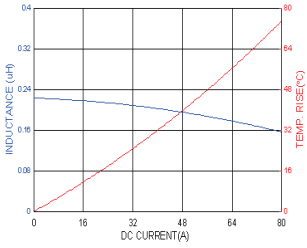
TMHC1004SV-R15



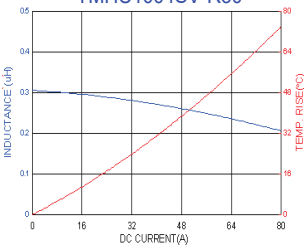
TMHC1004SV-R20



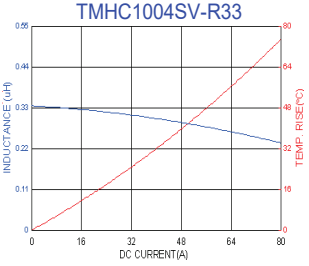
TMHC1004SV-R22



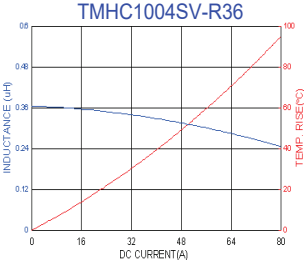
TMHC1004SV-R30



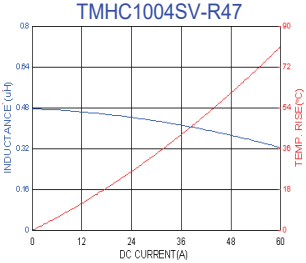
TMHC1004SV-R33



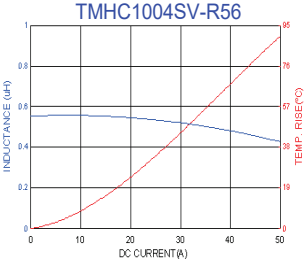
TMHC1004SV-R36



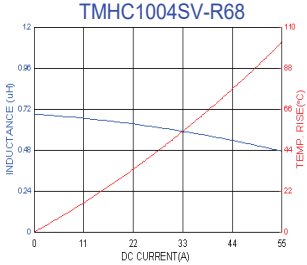
TMHC1004SV-R47



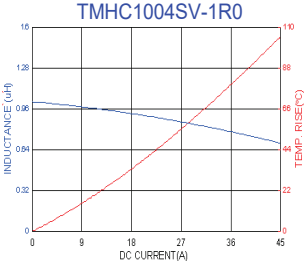
TMHC1004SV-R56



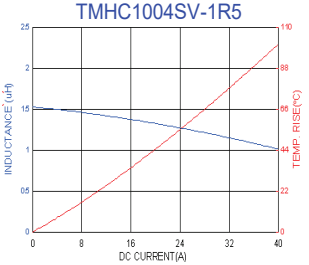
TMHC1004SV-R68



TMHC1004SV-1R0



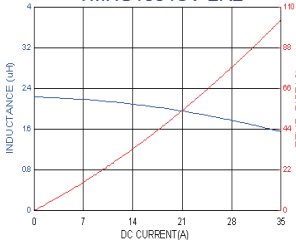
TMHC1004SV-1R5



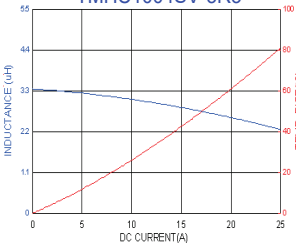
TMHC 1004S Series (4040 inch -55~+150)

■ DC Bias Characteristics (Typical)

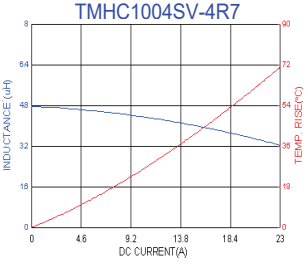
TMHC1004SV-2R2



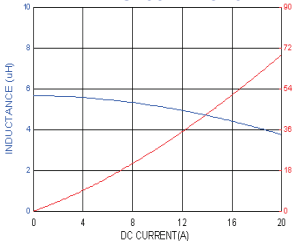
TMHC1004SV-3R3



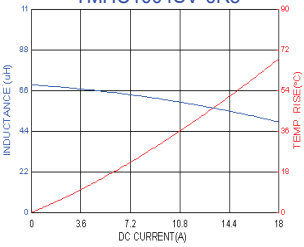
TMHC1004SV-4R7



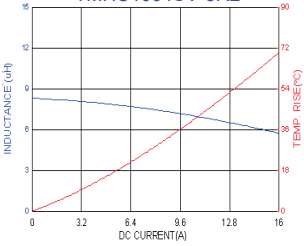
TMHC1004SV-5R6



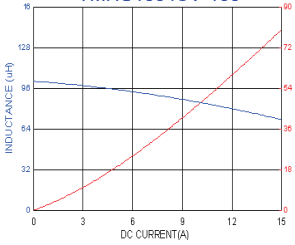
TMHC1004SV-6R8



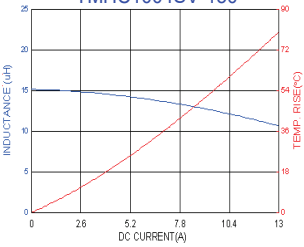
TMHC1004SV-8R2



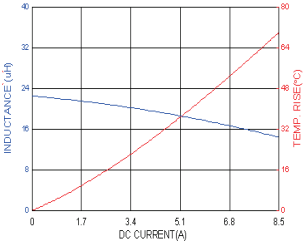
TMHC1004SV-100



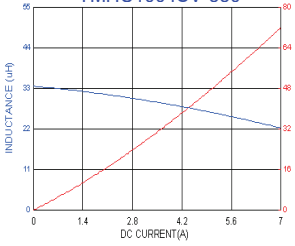
TMHC1004SV-150



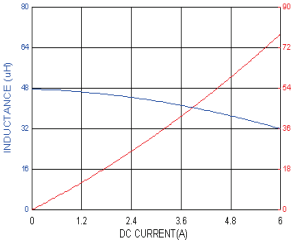
TMHC1004SV-220



TMHC1004SV-330

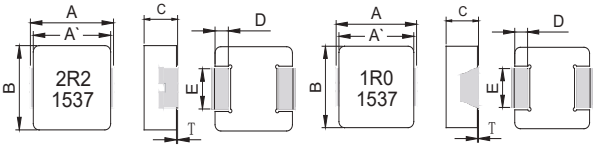


TMHC1004SV-470



TMPA 1004S Series (4040 inch -55~+150)

■ Dimensions



Lead Frame Type　　Non Lead Frame Type

Series	A	A`	B	C	D	T	E	Inductance
TMPA1004	11.0±0.3	10.0±0.3	10.0±0.3	3.8±0.2	2.0±0.3	0~0.2	2.5±0.3	0.56~1.50uH
							3.0±0.3	0.47uH and below
								2.00uH and above

Units: mm

■ Specifications

Part Number	Inductance L0 A(uH) ±20%	Heat Rating Current DC I rms.(A)		Saturation Current DC I sat. (A)		DCR (mΩ)Typ	DCR (mΩ)Max	Type
		Typ	Max	Typ	Max			
TMPA1004SV-R15YN	0.15±30%	44.0	38.0	82.0	75.0	0.50	0.60	non-leadframe
TMPA1004SV-R22MN	0.22	36.0	33.0	70.0	60.0	0.72	0.83	non-leadframe
TMPA1004SV-R36MN	0.36	33.0	29.0	51.0	45.0	1.05	1.18	non-leadframe
TMPA1004SV-R42MN	0.42	32.5	28.5	50.0	42.0	1.15	1.30	non-leadframe
TMPA1004SV-R47MN	0.47	32.0	28.0	46.0	40.0	1.30	1.50	non-leadframe
TMPA1004SV-R56MN	0.56	25.0	23.0	34.0	29.0	1.60	1.80	non-leadframe
TMPA1004SV-R68MN	0.68	23.0	20.0	31.0	28.0	1.90	2.20	non-leadframe
TMPA1004SV-1R0MN	1.00	20.0	18.0	29.0	26.0	2.9	3.25	non-leadframe
TMPA1004SV-1R5MN	1.50	17.5	16.0	26.0	22.0	3.7	4.2	non-leadframe
TMPA1004SV-1R8MN	1.80	16.5	15.0	23.0	20.5	5.1	5.7	leadframe
TMPA1004SV-2R0MN	2.00	16.0	14.5	21.0	18.0	5.3	6.1	leadframe
TMPA1004SV-2R2MN	2.20	15.0	13.0	20.0	16.0	5.8	6.7	leadframe
TMPA1004SV-3R3MN	3.30	11.0	10.0	17.5	14.0	10.5	11.8	leadframe
TMPA1004SV-4R7MN	4.70	8.8	8.0	15.2	13.0	15.8	19.0	leadframe
TMPA1004SV-5R6MN	5.60	8.0	7.2	14.1	11.5	19	22.8	leadframe
TMPA1004SV-6R8MN	6.80	7.8	6.8	12.2	11.0	22	24.5	leadframe
TMPA1004SV-8R2MN	8.20	7.6	6.5	9.5	8.5	25	28	leadframe
TMPA1004SV-100MN	10.0	7.5	6.1	8.6	7.5	27	30	leadframe
TMPA1004SV-150MN	15.0	6.25	5.0	7.0	6.0	41	45	leadframe
TMPA1004SV-220MN	22.0	5.0	4.1	6.2	5.5	58	66	leadframe

TMPA 1004S Series (4040 inch -55~+150)

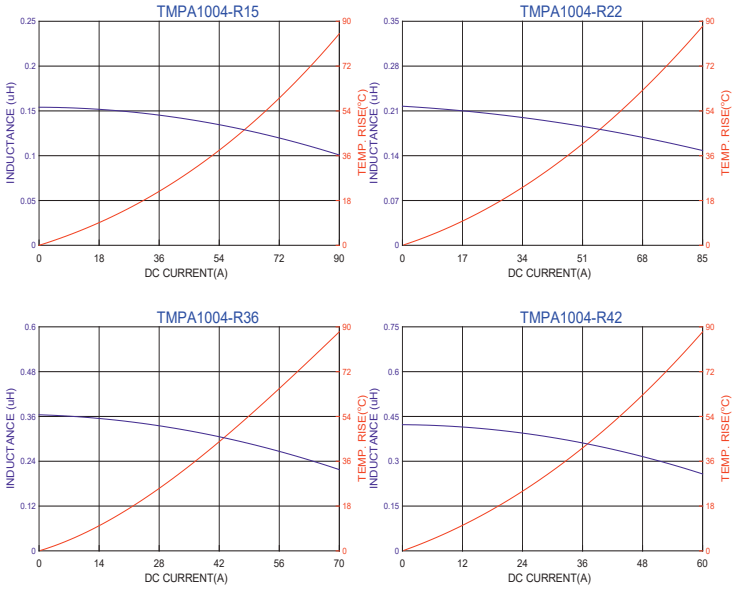
■ Specifications

Part Number	Inductance L0 A(uH) ±20%	Heat Rating Current DC I rms.(A)		Saturation Current DC I sat. (A)		DCR (mΩ)Typ	DCR (mΩ)Max	Type
		Typ	Max	Typ	Max			
TMPA1004SV-330MN	33.0	4.4	3.5	5.5	5.0	84	91	leadframe
TMPA1004SV-470MN	47.0	3.5	3.0	4.0	3.7	125	143	leadframe
TMPA1004SV-680MN	68.0	2.6	2.4	3.2	3.0	184	210	leadframe
TMPA1004SV-820MN	82.0	2.3	2.1	3.0	2.8	240	270	leadframe
TMPA1004SV-101MN	100	2.0	1.8	2.7	2.4	270	310	leadframe

Note:

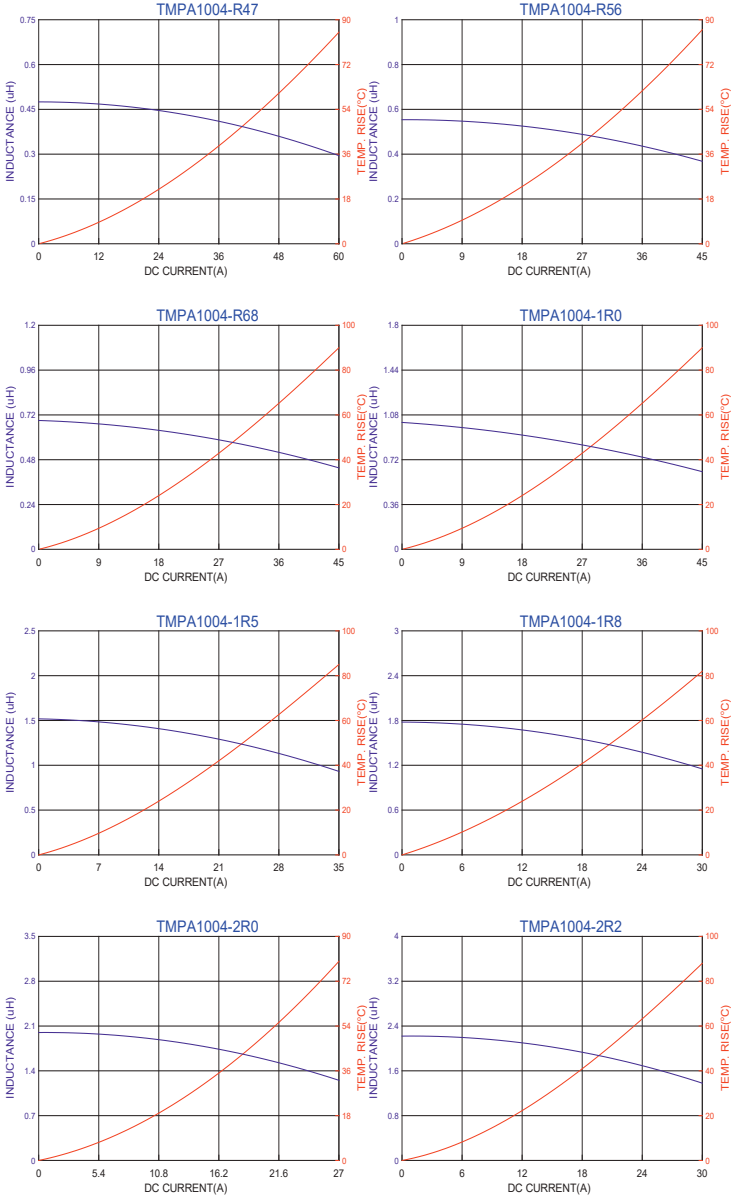
1. Test frequency : Ls : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
4. Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ DC Bias Characteristics (Typical)



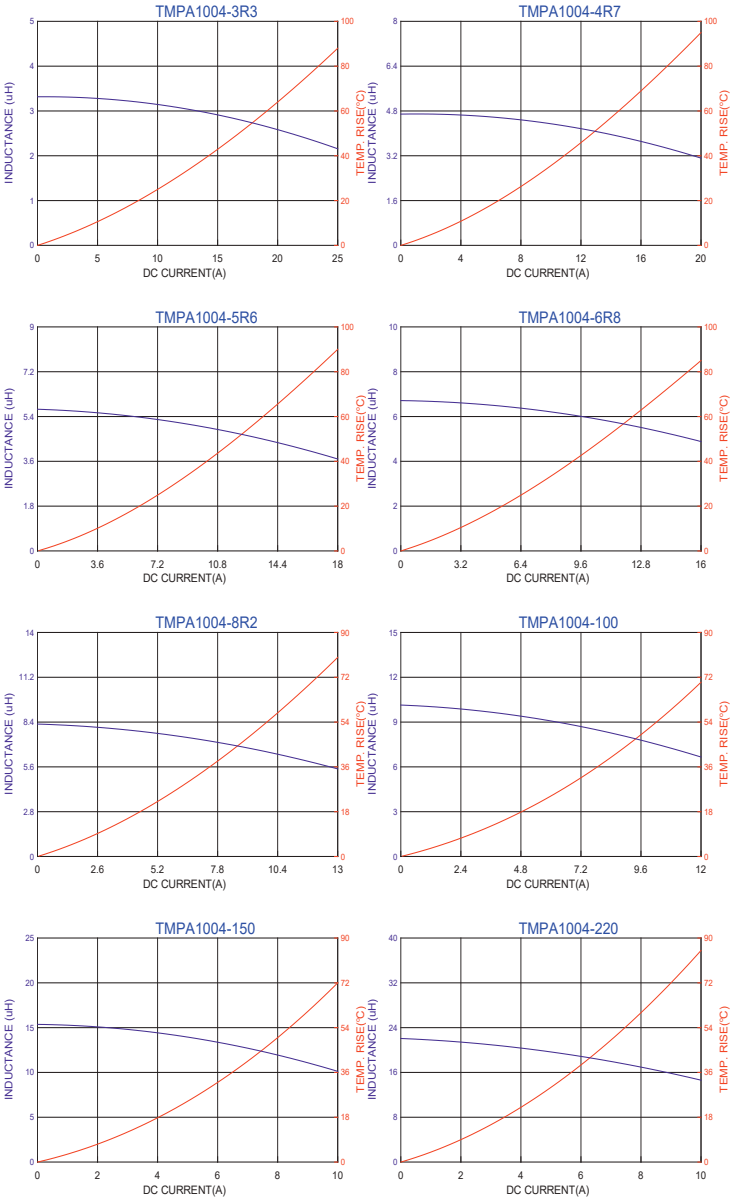
TMPA 1004S Series (4040 inch -55~+150)

■ DC Bias Characteristics (Typical)



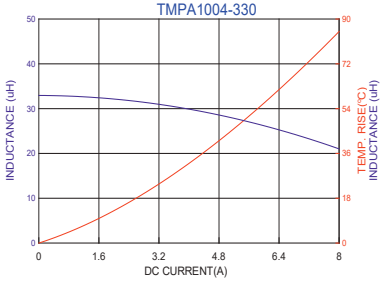
TMPA 1004S Series (4040 inch -55~+150)

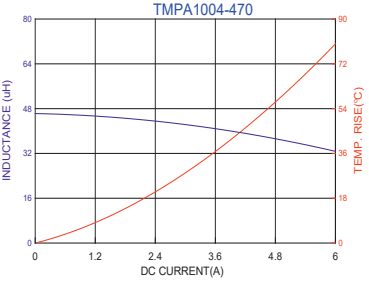
■ DC Bias Characteristics (Typical)

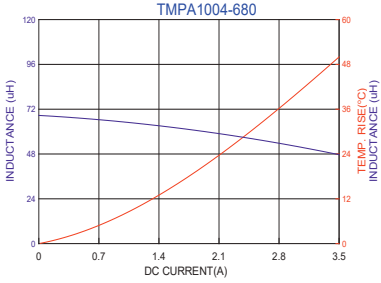


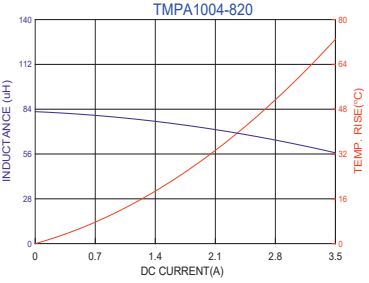
TMPA 1004S Series (4040 inch -55~+150)

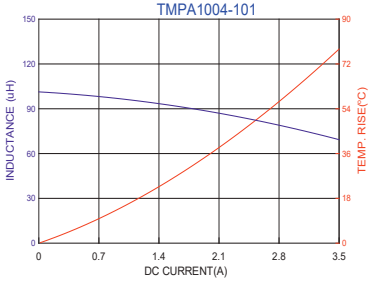
■ DC Bias Characteristics (Typical)





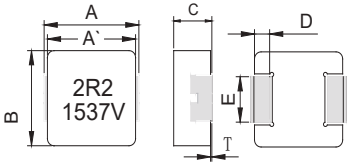






TMPA 1004HT Series (4040 inch -55~+180)

■ Dimensions



Dimensions	
A	11.0±0.30
A`	10.0±0.30
B	10.0±0.30
C	3.80±0.30
D	2.00±0.30
E	3.00±0.30
T	0~0.2

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA1004HTV-1R0MN-D	1.00	±20	1V/100K	2.80	3.07	29.0	26.0	27.0	24.0
TMPA1004HTV-1R5MN-D	1.50	±20	1V/100K	4.20	4.50	27.0	24.0	22.0	19.0
TMPA1004HTV-2R2MN-D	2.20	±20	1V/100K	6.50	7.20	21.0	18.0	18.0	15.0
TMPA1004HTV-3R3MN-D	3.30	±20	1V/100K	10.2	11.8	18.0	16.0	15.0	12.0
TMPA1004HTV-4R7MN-D	4.70	±20	1V/100K	14.3	15.3	15.0	13.0	13.0	10.0
TMPA1004HTV-5R6MN-D	5.60	±20	1V/100K	15.5	17.5	13.0	11.0	12.0	9.6
TMPA1004HTV-6R8MN-D	6.80	±20	1V/100K	20.2	22.3	11.0	10.0	10.5	9.0
TMPA1004HTV-100MN-D	10.0	±20	1V/100K	29.3	33.0	9.0	8.0	8.0	7.0
TMPA1004HTV-150MN-D	15.0	±20	1V/100K	45.0	50.0	7.6	6.5	7.0	6.0
TMPA1004HTV-220MN-D	22.0	±20	1V/100K	64.0	72.0	6.5	5.7	6.0	5.0
TMPA1004HTV-330MN-D	33.0	±20	1V/100K	110	117.7	5.3	4.5	5.0	4.2
TMPA1004HTV-470MN-D	47.0	±20	1V/100K	145	167.0	4.5	4.0	4.0	3.4
TMPA1004HTV-680MN-D	68.0	±20	1V/100K	210	240.0	3.5	2.8	3.5	3.0

Note:

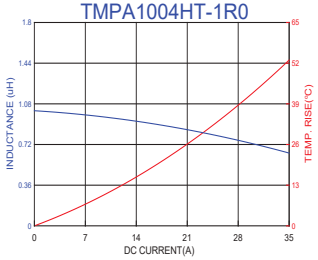
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

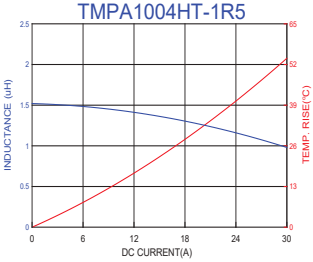
TMPA 1004HT Series (4040 inch -55~+180)

■ DC Bias Characteristics (Typical)

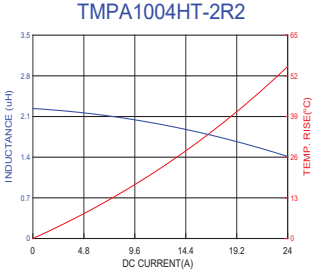
TMPA1004HT-1R0



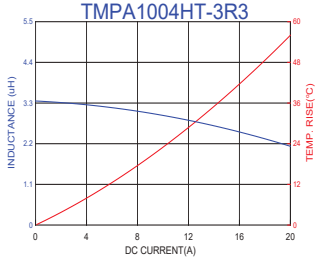
TMPA1004HT-1R5



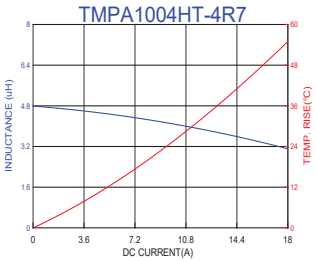
TMPA1004HT-2R2



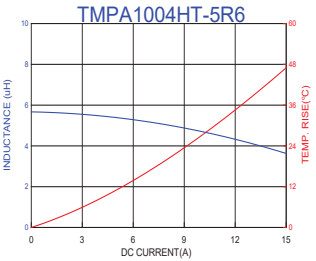
TMPA1004HT-3R3



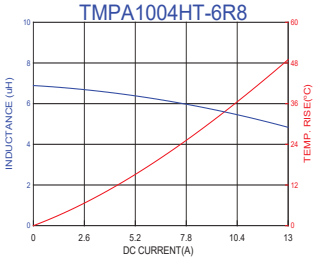
TMPA1004HT-4R7



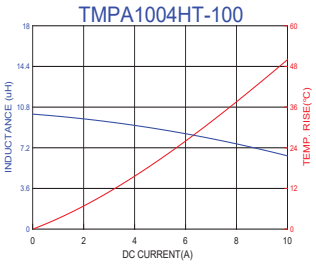
TMPA1004HT-5R6



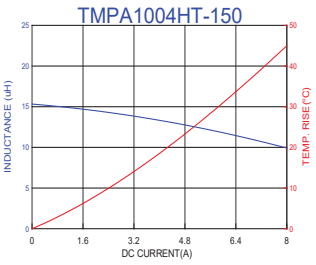
TMPA1004HT-6R8



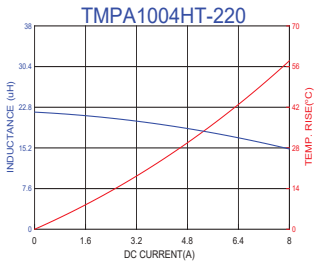
TMPA1004HT-100



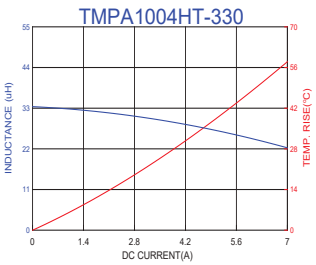
TMPA1004HT-150



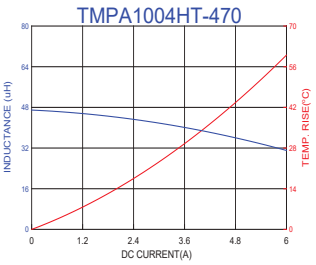
TMPA1004HT-220



TMPA1004HT-330

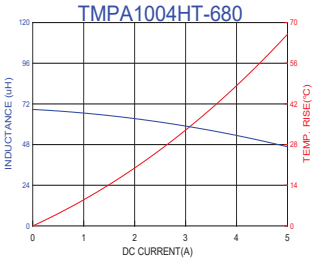


TMPA1004HT-470



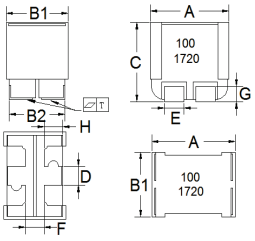
TMPA 1004HT Series (4040 inch -55~+180)

■ DC Bias Characteristics (Typical)



TBMA 1004P4 Seris (4040 inch -55~+150)

■ Dimensions



Dimensions	
A	12.0±0.20
B1	9.60±0.20
B2	8.70±0.25
C	11.3±0.30
D	1.95±0.15
E	2.80±0.10
F	3.4MIN
G	2.30±0.30
H	2.50±0.30
T	≤0.15

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) MAX.	I sat (A) Typ	I rms (A) Typ.
TBMA1004P4V-R43MN-D	0.43	±20	1V/100K	1.90	2.30	38.0	27.0
TBMA1004P4V-5R6MN-D	5.60	±20	1V/100K	20.0	23.0	11.0	7.50
TBMA1004P4V-7R5MN-D	7.50	±20	1V/100K	25.0	28.0	10.0	6.80
TBMA1004P4V-100MN-D	10.0	±20	1V/100K	30.5	32.6	7.40	5.60
TBMA1004P4V-150MN-D	15.0	±20	1V/100K	43.5	45.5	5.50	4.60

Note:

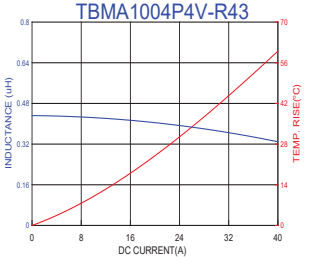
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

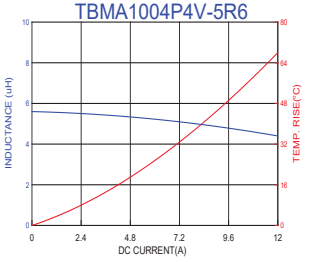
TBMA 1004P4 Series (4040 inch -55~+150)

■ DC Bias Characteristics (Typical)

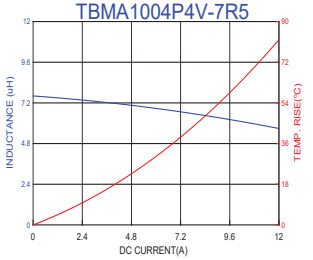
TBMA1004P4V-R43



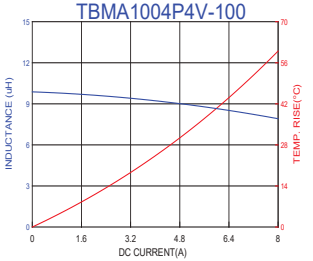
TBMA1004P4V-5R6



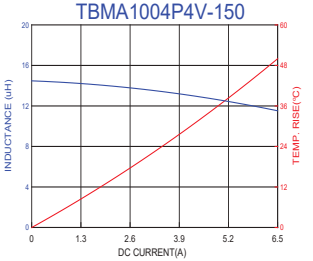
TBMA1004P4V-7R5



TBMA1004P4V-100



TBMA1004P4V-150



TMPC 1004H Series (4040 inch -55~+125)

■ Dimensions

Dimensions	
A	11.00±0.50
B	10.00±0.30
C	3.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

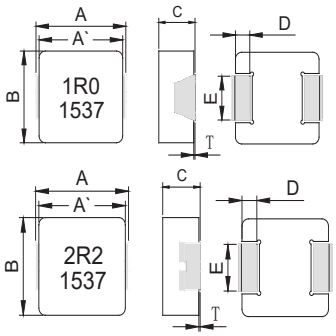
Part Number	Inductance L0 (uH) ±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC1004HV-R15YG	0.15±30%	43.0	75.0	0.5	0.6
TMPC1004HV-R47MG	0.47	28.0	43.0	1.3	1.5
TMPC1004HV-R68MG	0.68	22.0	39.0	2.4	2.7
TMPC1004HV-1R0MG	1.00	18.0	36.0	3.0	3.3
TMPC1004HV-2R2MG	2.20	12.0	27.0	6.5	7.0
TMPC1004HV-3R3MG	3.30	11.0	20.0	10.8	11.8
TMPC1004HV-4R7MG	4.70	10.0	17.0	15.0	15.5
TMPC1004HV-5R6MG	5.60	9.0	14.0	17.0	19.3
TMPC1004HV-6R8MG	6.80	8.5	13.5	17.5	23.3
TMPC1004HV-8R2MG	8.20	8.0	12.5	20.0	22.5
TMPC1004HV-100MG	10.0	7.5	12.0	27.0	30.0
TMPC1004HV-220MG	22.0	5.0	7.0	64.0	74.0

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. 5. Special inquiries besides the above common used types can be met on your requirement.

TMPA 1005S Series (4040 inch -55~+150)

■ Dimensions



Dimensions		
A	11.0±0.50	
A`	10.0±0.50	
B	10.0±0.30	
C	4.80±0.20	
D	2.00±0.30	
E	2.50±0.30	0.68~1.50uH among
	3.00±0.30	0.47uH and below 2.20uH and above
T	0~0.2	

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA1005SV-R36MN-D	0.36	±20	1V/100K	0.82	0.92	52.0	46.0	34.0	30.0
TMPA1005SV-R47MN-D	0.47	±20	1V/100K	1.15	1.32	46.0	40.0	33.0	29.0
TMPA1005SV-R68MN-D	0.68	±20	1V/100K	1.6	1.9	35.0	32.0	28.0	25.0
TMPA1005SV-1R0MN-D	1.00	±20	1V/100K	2.6	3.0	33.0	30.0	25.0	23.0
TMPA1005SV-1R5MN-D	1.50	±20	1V/100K	3.4	3.8	27.0	24.0	23.0	21.0
TMPA1005SV-2R2MN-D	2.20	±20	1V/100K	5.1	5.6	20.0	18.0	19.5	17.5
TMPA1005SV-3R3MN-D	3.30	±20	1V/100K	8.1	9.1	17.5	15.5	17.0	15.0
TMPA1005SV-4R7MN-D	4.70	±20	1V/100K	9.3	10.5	16.0	14.0	15.0	13.0
TMPA1005SV-5R6MN-D	5.60	±20	1V/100K	12.8	14.4	15.0	12.5	13.0	11.0
TMPA1005SV-6R8MN-D	6.80	±20	1V/100K	15.0	17.3	14.0	12.0	12.0	10.0
TMPA1005SV-100MN-D	10.0	±20	1V/100K	18.9	21.8	13.0	11.0	7.6	7.2
TMPA1005SV-220MN-D	22.0	±20	1V/100K	44	54	6.0	5.5	6.0	5.5
TMPA1005SV-470MN-D	47.0	±20	1V/100K	106	127	3.5	4.0	4.5	4.0
TMPA1005SV-101MN-D	100	±20	1V/100K	242.0	290.0	2.8	2.4	2.2	2.0

Note:

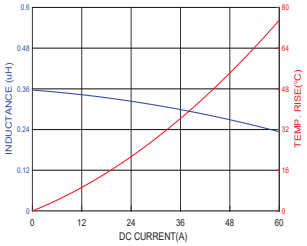
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

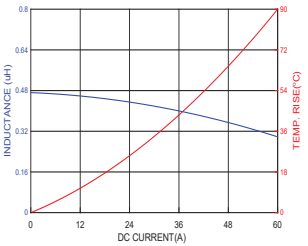
TMPA 1005S Series (4040 inch -55~+150)

■ DC Bias Characteristics (Typical)

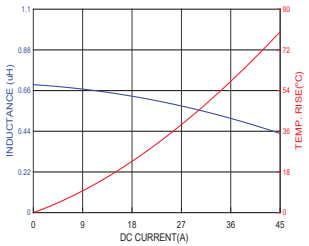
TMPA1005SV-R36



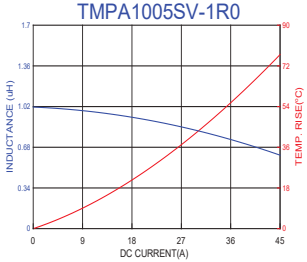
TMPA1005SV-R47



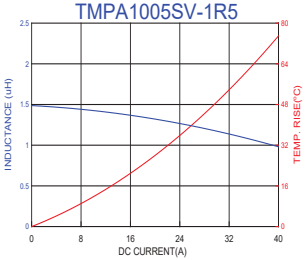
TMPA1005SV-R68



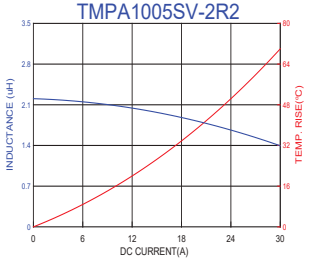
TMPA1005SV-1R0



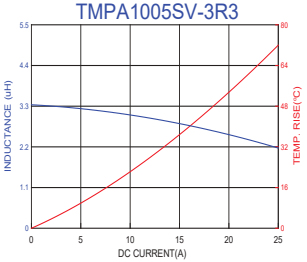
TMPA1005SV-1R5



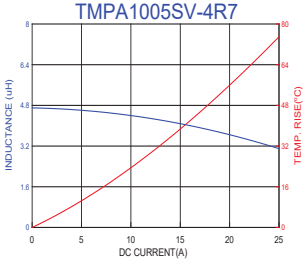
TMPA1005SV-2R2



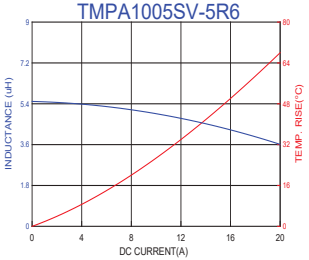
TMPA1005SV-3R3



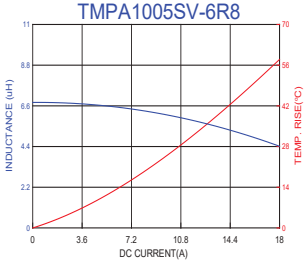
TMPA1005SV-4R7



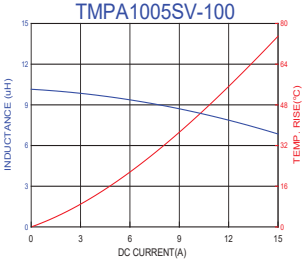
TMPA1005SV-5R6



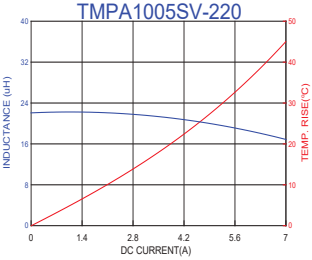
TMPA1005SV-6R8



TMPA1005SV-100

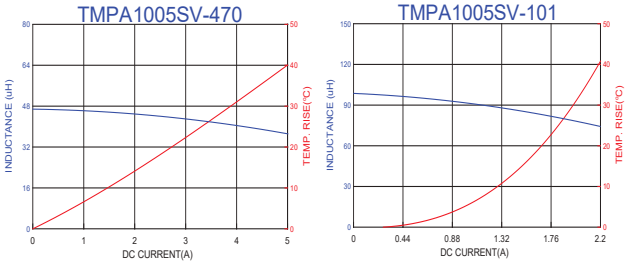


TMPA1005SV-220



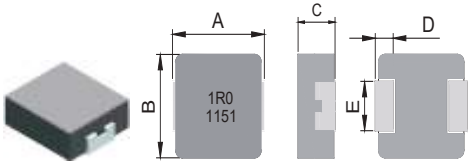
TMPA 1005S Series (4040 inch -55~+150)

■ DC Bias Characteristics (Typical)



TMPC 1005H Series (4040 inch -55~+125)

■ Dimensions



Dimensions	
A	11.00±0.50
B	10.00±0.30
C	4.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

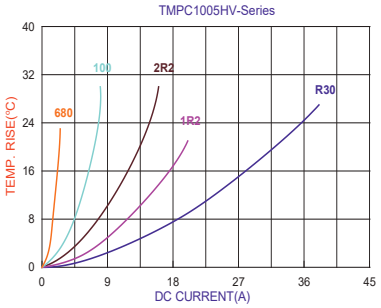
■ Specifications

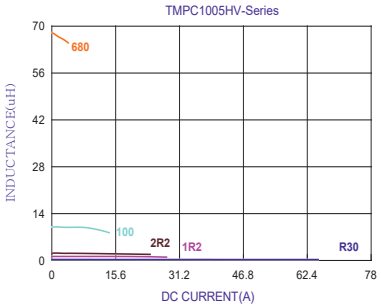
Part Number	Inductance L0 (uH) ±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC1005HV-R30MG	0.30	38.0	65.0	0.57	0.61
TMPC1005HV-R90MG	0.90	25.0	32.0	2.2	3.0
TMPC1005HV-1R0MG	1.00	22.0	30.0	2.8	3.5
TMPC1005HV-2R2MG	2.20	16.0	24.0	5.4	6.0
TMPC1005HV-3R3MG	3.30	14.0	22.0	9.0	10.4
TMPC1005HV-5R6MG	5.60	10.0	16.0	14.0	16.8
TMPC1005HV-100MG	10.0	8.0	13.5	25.0	29.0
TMPC1005HV-330MG	33.0	4.3	7.5	80.0	92.0
TMPC1005HV-470MG	47.0	3.8	6.5	125	145
TMPC1005HV-680MG	68.0	2.5	4.0	176	205

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

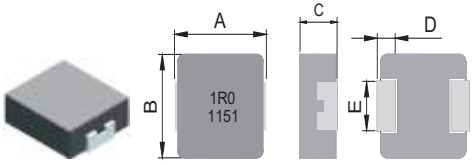
■ DC Bias Characteristics (Typical)





TMPC 1235HP Series (5050 inch -55~+125)

■ Dimensions



Dimensions	
A	13.5 ±0.5
B	12.5 ±0.3
C	3.3 ±0.2
D	2.3 ±0.3
E	4.7 ±0.3

Units: mm

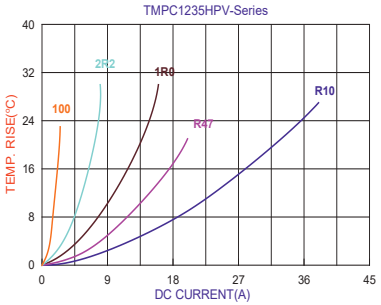
■ Specifications

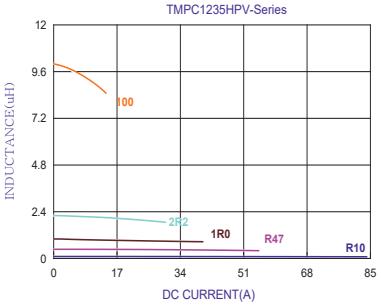
Part Number	Inductance L0 (uH) ±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC1235HPV-R10YG	0.10±30%	43.0	84.0	0.36	0.43
TMPC1235HPV-R47MG	0.47	32.0	55.0	1.20	1.80
TMPC1235HPV-1R0MG	1.00	24.0	40.0	2.70	3.50
TMPC1235HPV-2R2MG	2.20	16.0	29.0	6.30	8.00
TMPC1235HPV-3R3MG	3.30	12.0	27.0	11.0	13.5
TMPC1235HPV-4R7MG	4.70	10.0	24.0	15.3	18.5
TMPC1235HPV-5R6MG	5.60	9.5	19.0	18.0	22.0
TMPC1235HPV-6R8MG	6.80	9.0	18.0	20.0	24.0
TMPC1235HPV-8R2MG	8.20	8.5	16.0	23.0	28.0
TMPC1235HPV-100MG	10.0	7.0	14.0	29.0	34.0
TMPC1235HPV-330MG	33.0	3.5	6.00	132	160

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

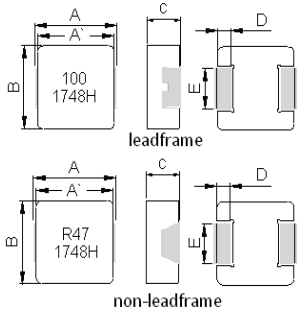
■ DC Bias Characteristics (Typical)





TMHC 1205SP Series (4848 inch-55~+150)

■ Dimensions



Dimensions		
A	13.50±0.50	
A`	12.6.0±0.30	
B	12.6±0.20	
C	4.7±0.30	
D	2.3±0.30	
E	4.0±0.30	0.47uH
	4.7±0.30	1.5uH and above

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC1205SPV-R15YN-D	0.15	±30	1V/100K	0.36	0.41	100	90	55	50
TMHC1205SPV-R22MN-D	0.22	±20	1V/100K	0.50	0.55	95	85	48	42
TMHC1205SPV-R36MN-D	0.36	±20	1V/100K	0.75	0.83	80	70	41	37
TMHC1205SPV-R47MN-D	0.47	±20	1V/100K	0.96	1.15	65	60	38	35
TMHC1205SPV-R68MN-D	0.68	±20	1V/100K	1.40	1.60	54	50	32	28
TMHC1205SPV-1R0MN-D	1.00	±20	1V/100K	2.00	2.40	50	46	30	26
TMHC1205SPV-1R5MN-D	1.50	±20	1V/100K	3.00	3.50	48	44	27	23
TMHC1205SPV-2R2MN-D	2.20	±20	1V/100K	4.30	5.00	40	35	25	22
TMHC1205SPV-3R3MN-D	3.30	±20	1V/100K	7.30	8.40	32	28	20	16
TMHC1205SPV-4R7MN-D	4.70	±20	1V/100K	11.4	15.0	27	24	14	12
TMHC1205SPV-8R2MN-D	8.20	±20	1V/100K	18.6	21.5	20	18	11.5	9.5
TMHC1205SPV-100MN-D	10.0	±20	1V/100K	21.4	25.5	17	15	11	9.0
TMHC1205SPV-150MN-D	15.0	±20	1V/100K	32.6	38.0	13	11	9.0	8.0
TMHC1205SPV-220MN-D	22.0	±20	1V/100K	50.0	58.0	11	10	7.5	6.5

Note:

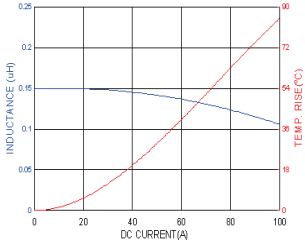
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

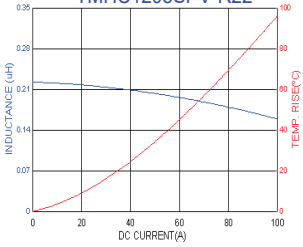
TMHC 1205SP Series (4848 inch -55~+150)

■ DC Bias Characteristics (Typical)

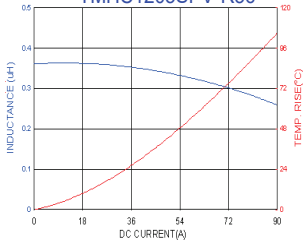
TMHC1205SPV-R15



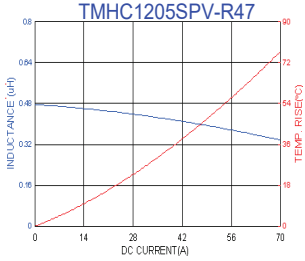
TMHC1205SPV-R22



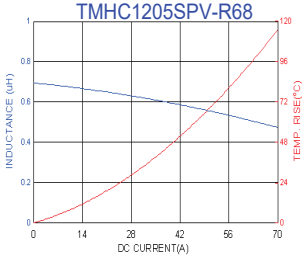
TMHC1205SPV-R36



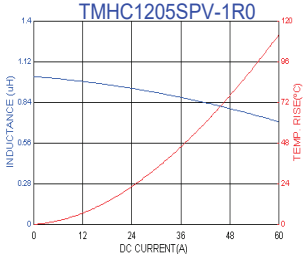
TMHC1205SPV-R47



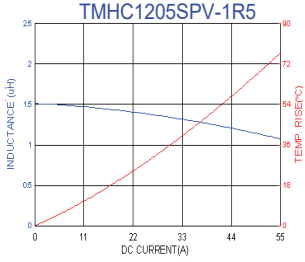
TMHC1205SPV-R68



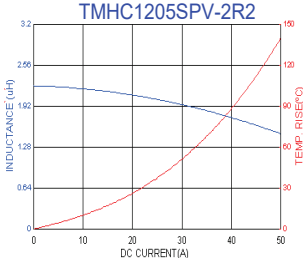
TMHC1205SPV-1R0



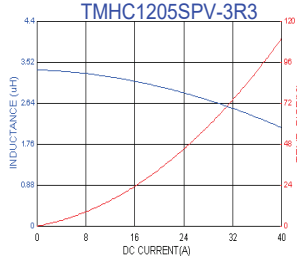
TMHC1205SPV-1R5



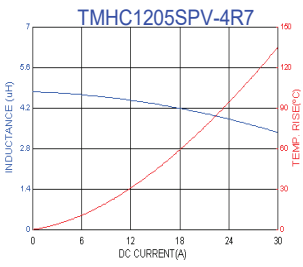
TMHC1205SPV-2R2



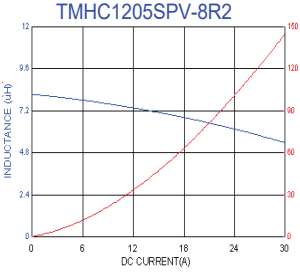
TMHC1205SPV-3R3



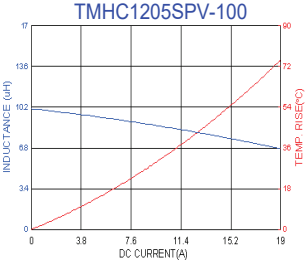
TMHC1205SPV-4R7



TMHC1205SPV-8R2



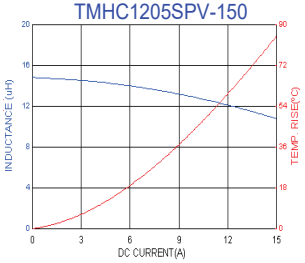
TMHC1205SPV-100



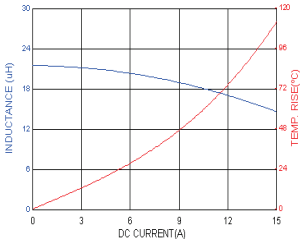
TMHC 1205SP Series (4848 inch -55~+150)

■ DC Bias Characteristics (Typical)

TMHC1205SPV-150

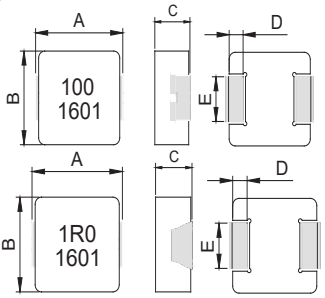


TMHC1205SPV-220



TMPA 1205SP Series (4848 inch-55~+150)

■ Dimensions



Dimensions		
A	13.5±0.50	
B	12.6±0.20	
C	4.70±0.30	
D	2.30±0.30	
E	4.00±0.30	1.0uH and below
	4.70±0.30	1.5uH and above

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA1205SPV-R22MN-D	0.22	±20	1V/100K	0.50	0.61	65	60	55	50
TMPA1205SPV-R47MN-D	0.47	±20	1V/100K	0.77	0.9	65	58	38	34
TMPA1205SPV-R68MN-D	0.68	±20	1V/100K	1.3	1.55	50	42	34	31
TMPA1205SPV-1R0MN-D	1.00	±20	1V/100K	1.6	1.9	40	34	30	27
TMPA1205SPV-1R5MN-D	1.50	±20	1V/100K	3.2	3.8	31	28	25	22
TMPA1205SPV-2R2MN-D	2.20	±20	1V/100K	4.1	4.8	26	23	17	15.5
TMPA1205SPV-3R3MN-D	3.30	±20	1V/100K	6.0	7.0	23	20.5	15.5	14
TMPA1205SPV-4R7MN-D	4.70	±20	1V/100K	8.8	10.2	18.5	16	14	12.5
TMPA1205SPV-6R8MN-D	6.80	±20	1V/100K	13	16	16.5	15	12	11
TMPA1205SPV-100MN-D	10.0	±20	1V/100K	19.2	22	13	10.5	10	9.0
TMPA1205SPV-150MN-D	15.0	±20	1V/100K	30	36	11	9.2	9.4	8.2
TMPA1205SPV-220MN-D	22.0	±20	1V/100K	42	52	8.5	7.5	8.0	7.0
TMPA1205SPV-330MN-D	33.0	±20	1V/100K	66	80	7.3	6.5	6.0	5.2

Note:

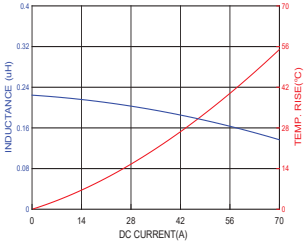
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

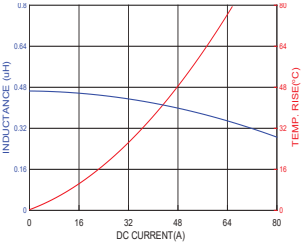
TMPA 1205SP Series (4848 inch -55~+150)

■ DC Bias Characteristics (Typical)

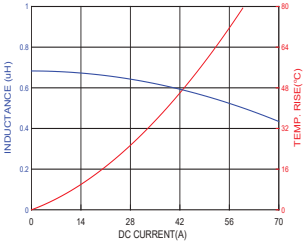
TMPA1205SPV-R22



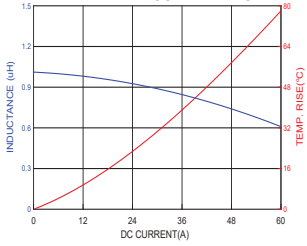
TMPA1205SPV-R47



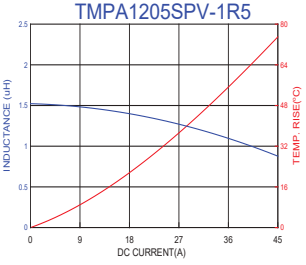
TMPA1205SPV-R68



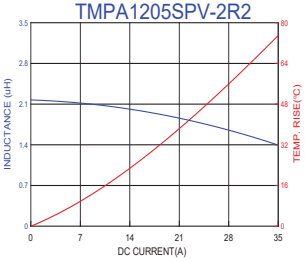
TMPA1205SPV-1R0



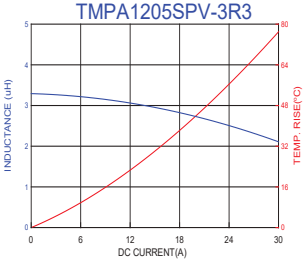
TMPA1205SPV-1R5



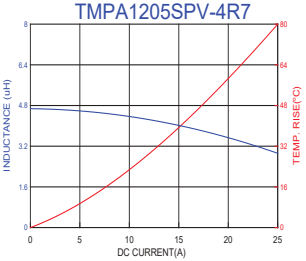
TMPA1205SPV-2R2



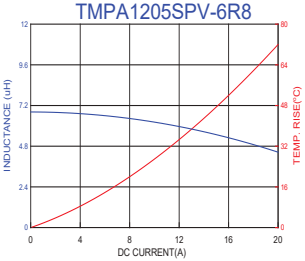
TMPA1205SPV-3R3



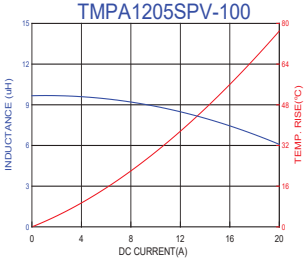
TMPA1205SPV-4R7



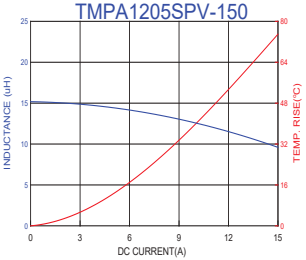
TMPA1205SPV-6R8



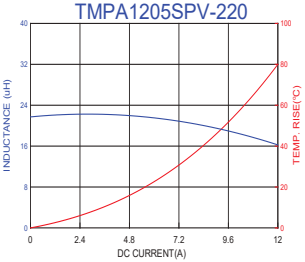
TMPA1205SPV-100



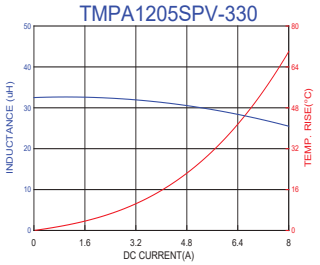
TMPA1205SPV-150



TMPA1205SPV-220

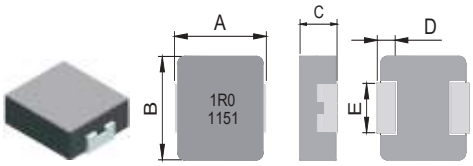


■ DC Bias Characteristics (Typical)



TMPC 1205HP Series (5050 inch -55~+125)

■ Dimensions



Dimensions	
A	13.50±0.50
B	12.50±0.30
C	4.80±0.20
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

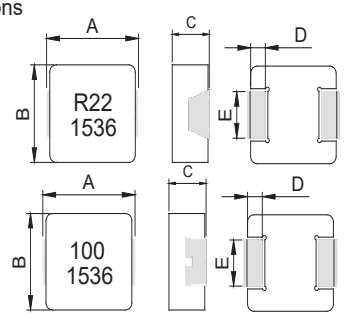
Part Number	Inductance L0 (uH) ±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC1205HPV-R20MG	0.20	52.0	110.0	0.45	0.55
TMPC1205HPV-R47MG	0.47	38.0	65.0	0.86	1.10
TMPC1205HPV-R68MG	0.68	34.0	54.0	1.40	1.70
TMPC1205HPV-1R0MG	1.00	29.0	50.0	1.85	2.50
TMPC1205HPV-2R2MG	2.20	20.0	32.0	4.20	5.50
TMPC1205HPV-3R3MG	3.30	15.0	32.0	6.80	9.20
TMPC1205HPV-4R7MG	4.70	12.0	27.0	11.40	15.00
TMPC1205HPV-6R8MG	6.80	11.0	21.0	14.50	18.50
TMPC1205HPV-8R2MG	8.20	9.5	18.0	16.80	22.50
TMPC1205HPV-100MG	10.0	9.0	16.0	21.40	25.50
TMPC1205HPV-220MG	22.0	6.5	10.0	50.00	58.00

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

TMPA 1206SP Series (4848 inch -55~+150)

■ Dimensions



Dimensions		
A	13.5±0.50	
B	12.6±0.20	
C	5.70±0.30	
D	2.30±0.30	
E	4.00±0.30	1.50uH
	4.70±0.30	0.33uH and below 3.30uH and above

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA1206SPV-R33MN-D	0.33	±20	1V/100K	0.55	0.66	70.0	62.0	63.0	52.0
TMPA1206SPV-R36MN-D	0.36	±20	1V/100K	0.65	0.80	70.0	60.0	60.0	50.0
TMPA1206SPV-1R5MN-D	1.50	±20	1V/100K	2.4	3.0	32.0	27.0	28.0	24.0
TMPA1206SPV-3R3MN-D	3.30	±20	1V/100K	5.3	6.5	28.0	24.0	21.0	18.0
TMPA1206SPV-8R2MN-D	8.20	±20	1V/100K	13.5	16.0	17.0	15.5	13.5	12.0
TMPA1206SPV-100MN-D	10.0	±20	1V/100K	15.5	18.6	16.0	14.5	12.0	10.5
TMPA1206SPV-150MN-D	15.0	±20	1V/100K	24.0	29.0	10.0	9.00	10.0	8.50
TMPA1206SPV-220MN-D	22.0	±20	1V/100K	31.2	37.5	9.00	8.00	8.00	7.00
TMPA1206SPV-330MN-D	33.0	±20	1V/100K	56.0	68.0	7.80	6.70	6.50	5.50
TMPA1206SPV-470MN-D	47.0	±20	1V/100K	76.0	88.0	6.70	5.50	5.20	4.50
TMPA1206SPV-680MN-D	68.0	±20	1V/100K	103	124	5.80	5.00	4.50	3.70
TMPA1206SPV-101MN-D	100	±20	1V/100K	162	195	5.00	4.00	3.20	2.80
TMPA1206SPV-151MN-D	150	±20	1V/100K	270	325	4.10	3.20	2.60	2.20

Note:

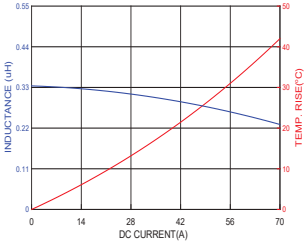
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

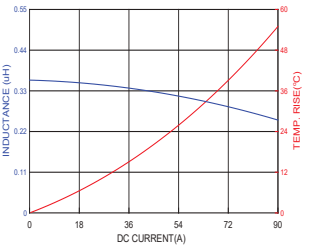
TMPA 1206SP Series (4848 inch -55~+150)

■ DC Bias Characteristics (Typical)

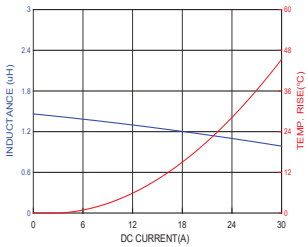
TMPA1206SPV-R33



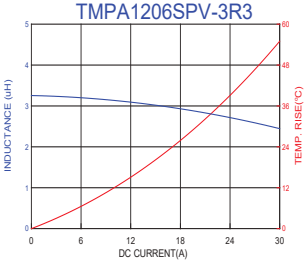
TMPA1206SPV-R36



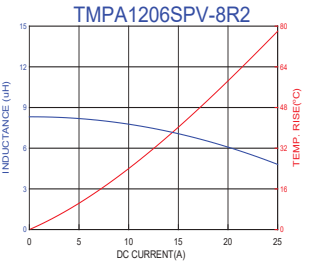
TMPA1206SPV-1R5



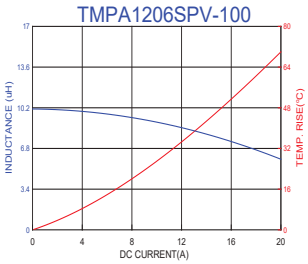
TMPA1206SPV-3R3



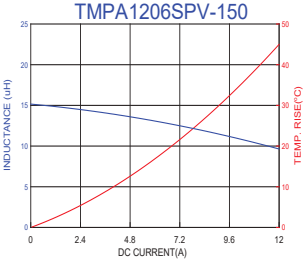
TMPA1206SPV-8R2



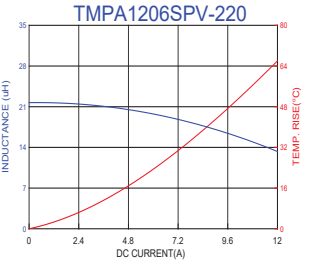
TMPA1206SPV-100



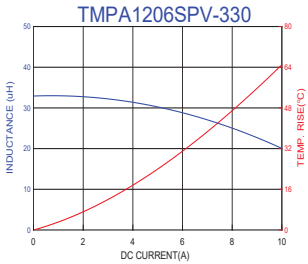
TMPA1206SPV-150



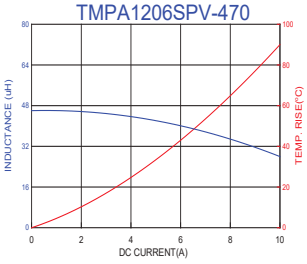
TMPA1206SPV-220



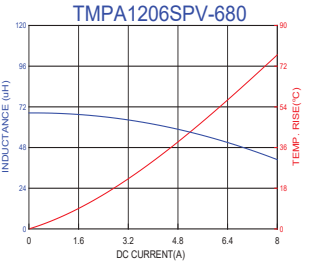
TMPA1206SPV-330



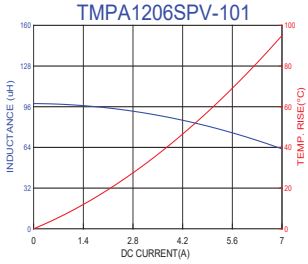
TMPA1206SPV-470



TMPA1206SPV-680

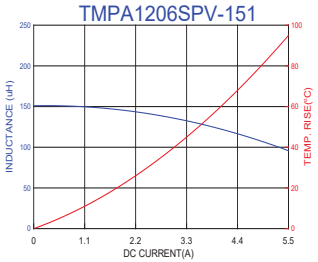


TMPA1206SPV-101



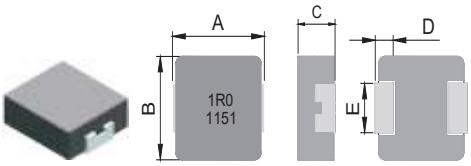
TMPA 1206SP Series (4848 inch -55~+150)

■ DC Bias Characteristics (Typical)



TMPC 1206HP Series (5050 inch -55~+125)

■ Dimensions



Dimensions	
A	13.50±0.50
B	12.50±0.30
C	5.70±0.30
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

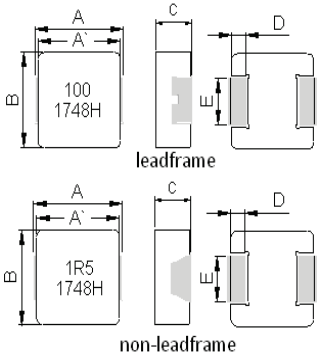
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC1206HPV-1R0MG	1.00	29.0	53.0	1.80	2.40
TMPC1206HPV-2R2MG	2.20	21.0	43.0	4.00	4.70
TMPC1206HPV-3R3MG	3.30	17.0	35.0	5.80	7.10
TMPC1206HPV-4R7MG	4.70	16.0	30.0	9.50	11.50
TMPC1206HPV-5R6MG	5.60	15.5	28.0	10.80	12.60
TMPC1206HPV-6R8MG	6.80	15.0	25.0	12.00	13.80
TMPC1206HPV-100MG	10.0	11.0	21.0	18.00	20.70
TMPC1206HPV-220MG	22.0	8.0	14.0	34.00	39.50
TMPC1206HPV-330MG	33.0	6.0	12.0	65.00	75.00
TMPC1206HPV-470MG	47.0	5.5	11.0	80.00	90.00

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

TMHC 1265SP Series (4848 inch -55~+150)

■ Dimensions



Dimensions		
A	13.50±0.50	
A`	12.6.0±0.30	
B	12.6±0.20	
C	6.2±0.30	
D	2.3±0.30	
E	4.0±0.30	1.00~1.50uH among
	4.7±0.30	0.68uH and below 2.20uH and above

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC1265SPV-R22MN-D	0.22	±20	1V/100K	0.47	0.60	105.0	95.0	55.0	50.0
TMHC1265SPV-R33MN-D	0.33	±20	1V/100K	0.65	0.80	70.0	64.0	50.0	45.0
TMHC1265SPV-R47MN-D	0.47	±20	1V/100K	0.90	1.20	66.0	62.0	45.0	41.0
TMHC1265SPV-R68MN-D	0.68	±20	1V/100K	1.25	1.50	58.0	54.0	44.0	37.0
TMHC1265SPV-1R0MN-D	1.00	±20	1V/100K	1.70	2.30	50.0	46.0	35.0	30.0
TMHC1265SPV-1R5MN-D	1.50	±20	1V/100K	2.30	2.80	45.0	40.0	31.0	27.0
TMHC1265SPV-2R2MN-D	2.20	±20	1V/100K	4.20	4.80	40.0	37.0	25.0	22.0
TMHC1265SPV-3R3MN-D	3.30	±20	1V/100K	5.70	6.80	35.0	31.0	22.0	18.0
TMHC1265SPV-4R7MN-D	4.70	±20	1V/100K	8.30	9.50	31.0	28.0	20.0	16.0
TMHC1265SPV-6R8MN-D	6.80	±20	1V/100K	11.5	13.2	25.0	22.0	15.0	13.0
TMHC1265SPV-8R2MN-D	8.20	±20	1V/100K	13.0	15.5	22.0	19.0	13.0	11.0
TMHC1265SPV-100MN-D	10.0	±20	1V/100K	15.6	18.0	20.0	17.0	12.0	10.0
TMHC1265SPV-150MN-D	15.0	±20	1V/100K	23.2	28.0	13.5	12.5	11.0	9.0
TMHC1265SPV-220MN-D	22.0	±20	1V/100K	32.5	37.0	12.0	10.0	10.0	8.0

Note:

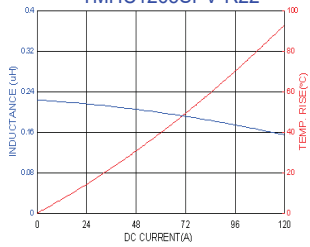
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

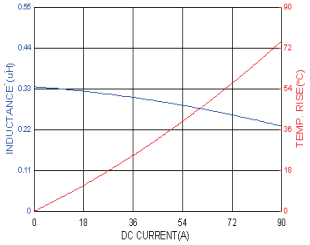
TMHC 1265SP Series (4848 inch -55~+150)

■ DC Bias Characteristics (Typical)

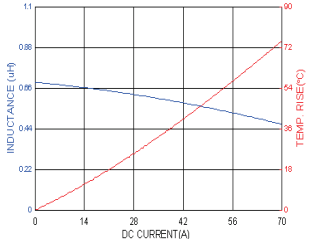
TMHC1265SPV-R22



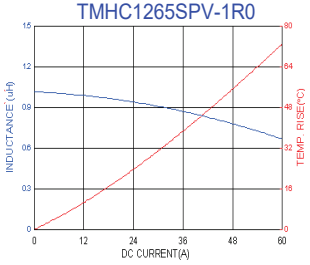
TMHC1265SPV-R33



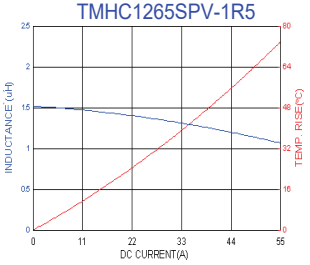
TMHC1265SPV-R68



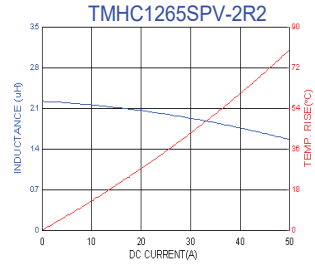
TMHC1265SPV-1R0



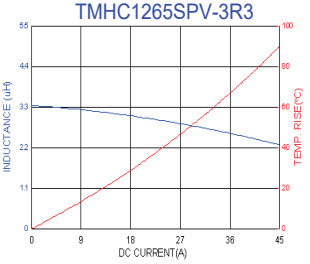
TMHC1265SPV-1R5



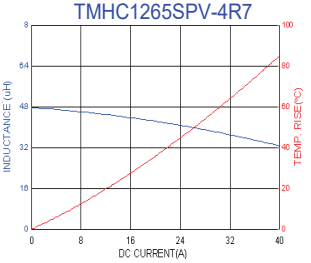
TMHC1265SPV-2R2



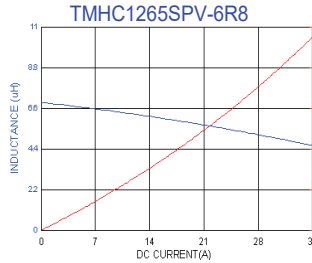
TMHC1265SPV-3R3



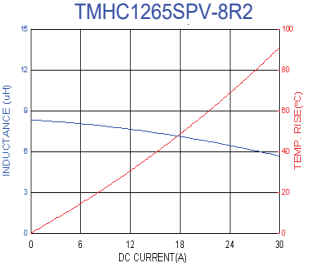
TMHC1265SPV-4R7



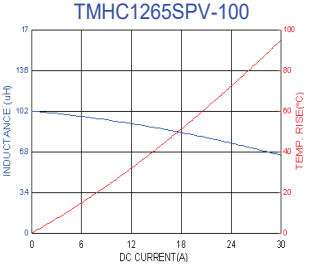
TMHC1265SPV-6R8



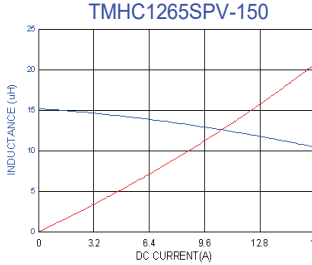
TMHC1265SPV-8R2



TMHC1265SPV-100



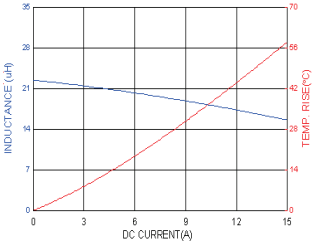
TMHC1265SPV-150



TMHC 1265SP Series (4848 inch -55~+150)

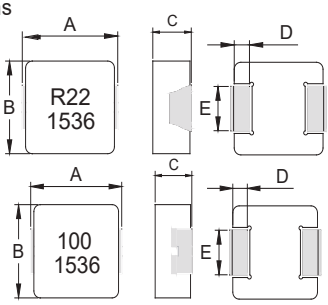
■ DC Bias Characteristics (Typical)

TMHC1265SPV-220



TMPA 1265SP Series (4848 inch -55~+150)

■ Dimensions



Dimensions		
A	13.5±0.50	
B	12.6±0.20	
C	6.20±0.30	
D	2.30±0.30	
E	4.00±0.30	0.68~1.50uH among
	4.70±0.30	0.22uH and below 2.20uH and above

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA1265SPV-R10YN-D	0.10	±30	1V/100K	0.20	0.25	120	115	65	60
TMPA1265SPV-R22MN-D	0.22	±20	1V/100K	0.40	0.46	112	105	53	42
TMPA1265SPV-R68MN-D	0.68	±20	1V/100K	1.25	1.50	55	46	36.5	33
TMPA1265SPV-1R0MN-D	1.00	±20	1V/100K	1.5	1.80	45	36	33	29
TMPA1265SPV-1R5MN-D	1.50	±20	1V/100K	2.2	2.53	35	30	29	25
TMPA1265SPV-2R2MN-D	2.20	±20	1V/100K	3.7	4.20	28.5	24	25	21
TMPA1265SPV-2R4MN-D	2.40	±20	1V/100K	3.9	4.50	28	23.5	24.5	20.5
TMPA1265SPV-3R3MN-D	3.30	±20	1V/100K	5.3	6.20	27	22.5	22	19
TMPA1265SPV-4R7MN-D	4.70	±20	1V/100K	6.8	8.00	25	21	20	17
TMPA1265SPV-5R6MN-D	5.60	±20	1V/100K	8.3	9.80	23	19.5	18	15
TMPA1265SPV-6R8MN-D	6.80	±20	1V/100K	9.8	11.3	21	18	16.5	14
TMPA1265SPV-8R2MN-D	8.20	±20	1V/100K	12	13.8	19	17	15	12.5
TMPA1265SPV-100MN-D	10.0	±20	1V/100K	13	15.8	17	15	13	11
TMPA1265SPV-220MN-D	22.0	±20	1V/100K	31	35	10	9.0	10	8.0
TMPA1265SPV-330MN-D	33.0	±20	1V/100K	46	55	9.0	8.0	9.0	6.5
TMPA1265SPV-470MN-D	47.0	±20	1V/100K	58	67	7.6	6.8	8.0	5.7
TMPA1265SPV-680MN-D	68.0	±20	1V/100K	82	100	6.0	5.0	5.8	4.8
TMPA1265SPV-820MN-D	82.0	±20	1V/100K	110	132	5.0	4.2	5.0	4.0
TMPA1265SPV-101MN-D	100	±20	1V/100K	140	161	5.0	4.0	5.0	3.8

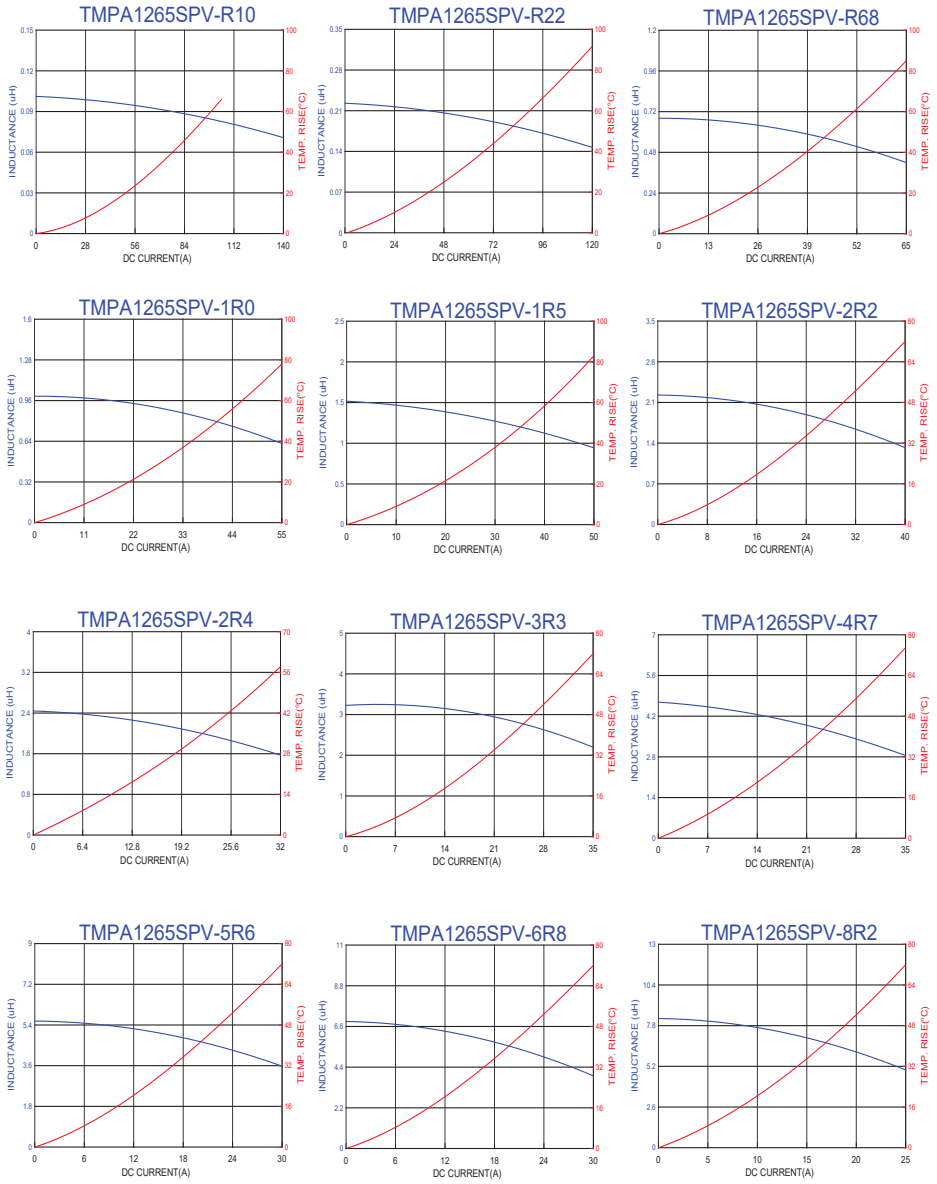
Note:

1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

TMPA 1265SP Series (4848 inch -55~+150)

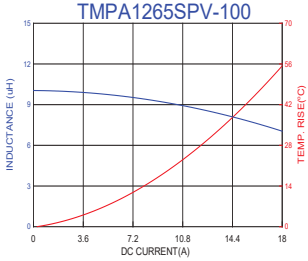
■ DC Bias Characteristics (Typical)



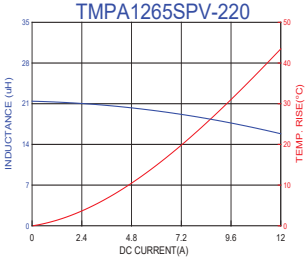
TMPA 1265SP Series (4848 inch -55~+150)

■ DC Bias Characteristics (Typical)

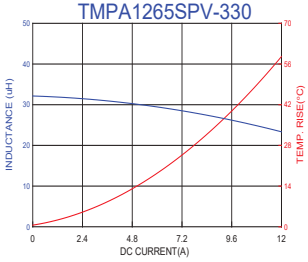
TMPA1265SPV-100



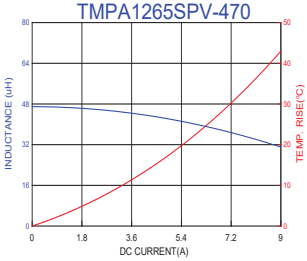
TMPA1265SPV-220



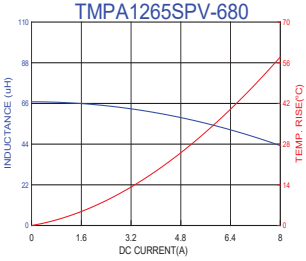
TMPA1265SPV-330



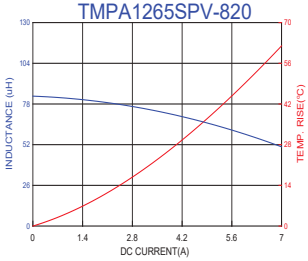
TMPA1265SPV-470



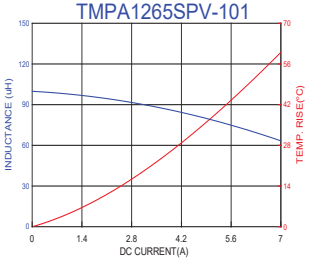
TMPA1265SPV-680



TMPA1265SPV-820

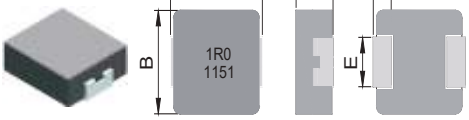


TMPA1265SPV-101



TMPC 1265HP Series (5050 inch -55~+125)

■ Dimensions



Dimensions	
A	13.50±0.50
B	12.50±0.30
C	6.20±0.30
D	2.30±0.30
E	4.70±0.30

Units: mm

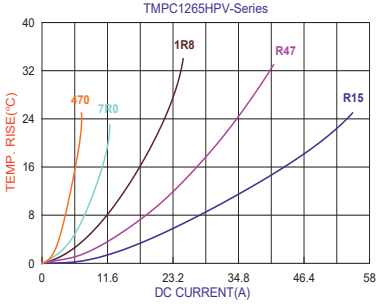
■ Specifications

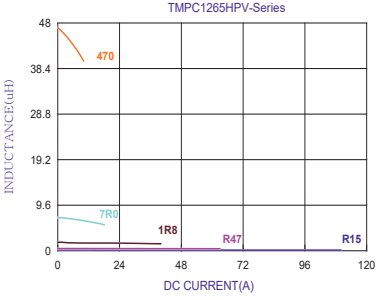
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC1265HPV-R15MG	0.15	55.0	118.0	0.49	0.60
TMPC1265HPV-R47MG	0.47	41.0	63.0	0.90	1.20
TMPC1265HPV-1R0MG	1.00	30.0	48.0	1.70	2.30
TMPC1265HPV-2R2MG	2.20	22.0	37.0	3.80	4.20
TMPC1265HPV-3R3MG	3.30	18.0	30.0	5.70	6.80
TMPC1265HPV-4R7MG	4.70	13.5	28.0	7.00	8.40
TMPC1265HPV-5R6MG	5.60	12.5	23.0	8.50	10.00
TMPC1265HPV-6R8MG	6.80	11.5	18.0	9.50	11.50
TMPC1265HPV-100MG	10.0	10.0	15.5	13.20	16.50
TMPC1265HPV-220MG	22.0	9.0	12.0	32.50	37.00
TMPC1265HPV-330MG	33.0	8.0	11.0	48.00	58.00
TMPC1265HPV-470MG	47.0	6.5	9.5	76.00	90.00

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

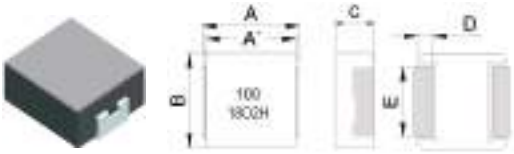
■ DC Bias Characteristics (Typical)





TMHC 1707SP Series (6868 inch -55~+150)

■ Dimensions



Dimensions	
A	17.80±0.50
A`	16.90±0.30
B	16.90±0.30
C	6.7±0.30
D	2.3±0.30
E	11.9±0.30

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMHC1707SPV-R47MN-D	0.47	±20	1V/100K	0.75	0.83	115	100	60	55
TMHC1707SPV-1R0MN-D	1.00	±20	1V/100K	1.30	1.50	68	60	48	43
TMHC1707SPV-1R5MN-D	1.50	±20	1V/100K	1.80	2.10	55	48	42	37
TMHC1707SPV-2R2MN-D	2.20	±20	1V/100K	2.50	2.80	45	40	40	35
TMHC1707SPV-3R3MN-D	3.30	±20	1V/100K	3.50	3.90	40	35	28	25
TMHC1707SPV-4R7MN-D	4.70	±20	1V/100K	4.80	5.50	37	32	26	23
TMHC1707SPV-5R6MN-D	5.60	±20	1V/100K	5.90	6.80	35	31	24	21
TMHC1707SPV-6R8MN-D	6.80	±20	1V/100K	8.40	9.20	30	25	22	18
TMHC1707SPV-8R2MN-D	8.20	±20	1V/100K	9.60	10.8	28	24	18	15
TMHC1707SPV-100MN-D	10.0	±20	1V/100K	11.6	13.0	25	21	17	14
TMHC1707SPV-150MN-D	15.0	±20	1V/100K	16.5	19.5	23	20	14	12.5
TMHC1707SPV-180MN-D	18.0	±20	1V/100K	20.0	24.0	21	18	13	11
TMHC1707SPV-220MN-D	22.0	±20	1V/100K	24.0	27.6	19.0	17	12	10
TMHC1707SPV-270MN-D	27.0	±20	1V/100K	31.0	36.0	17.0	15	11.3	9.5
TMHC1707SPV-330MN-D	33.0	±20	1V/100K	36.0	42.0	15	13	10.7	9
TMHC1707SPV-470MN-D	47.0	±20	1V/100K	46.0	53.0	13	11	8.7	7

Note:

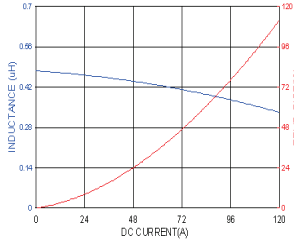
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately △T of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

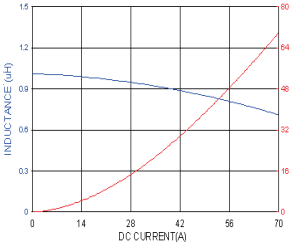
TMHC 1707SP Series (6868 inch -55~+150)

■ DC Bias Characteristics (Typical)

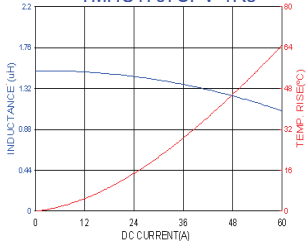
TMHC1707SPV-R47



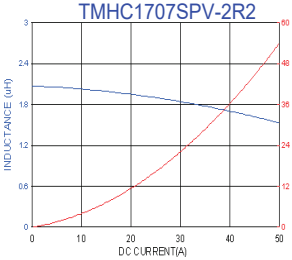
TMHC1707SPV-1R0



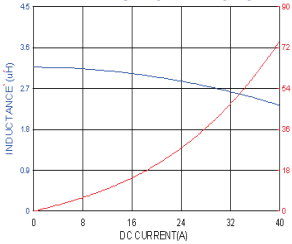
TMHC1707SPV-1R5



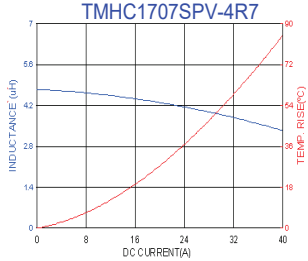
TMHC1707SPV-2R2



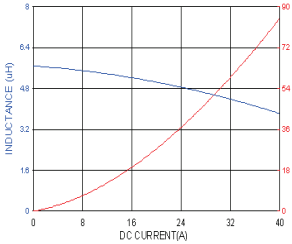
TMHC1707SPV-3R3



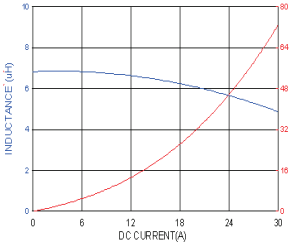
TMHC1707SPV-4R7



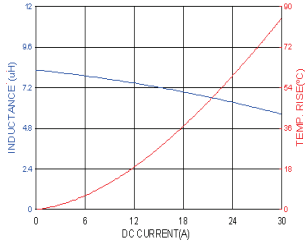
TMHC1707SPV-5R6



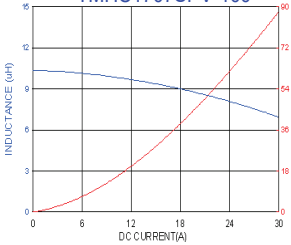
TMHC1707SPV-6R8



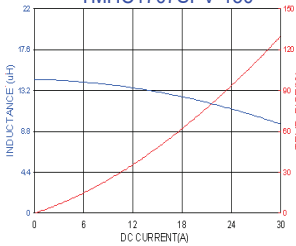
TMHC1707SPV-8R2



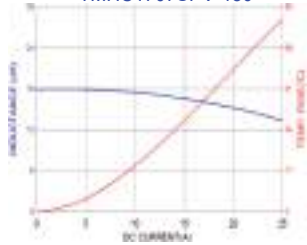
TMHC1707SPV-100



TMHC1707SPV-150



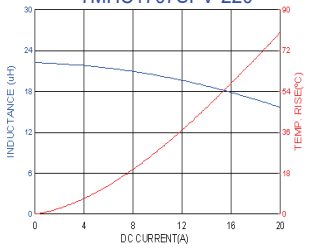
TMHC1707SPV-180



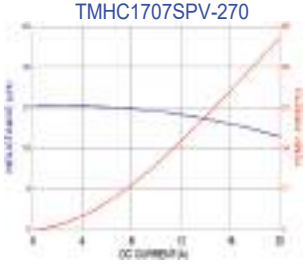
TMHC 1707SP Series (6868 inch -55~+150)

■ DC Bias Characteristics (Typical)

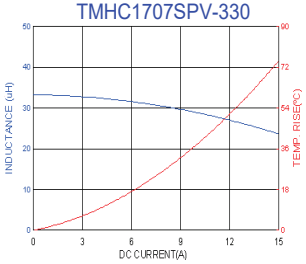
TMHC1707SPV-220



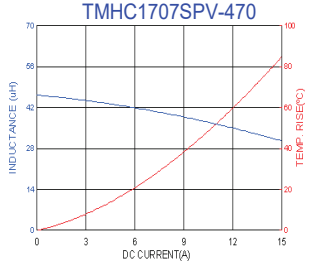
TMHC1707SPV-270



TMHC1707SPV-330

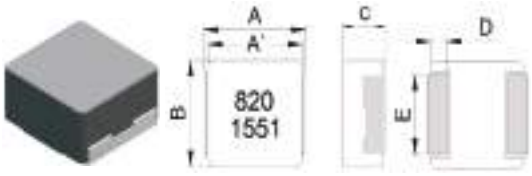


TMHC1707SPV-470



TMPA 1707SP Series (6868 inch-55~+150)

■ Dimensions



Dimensions	
A	17.8±0.50
A`	16.9±0.30
B	16.9±0.30
C	6.70±0.30
D	2.30±0.30
E	11.9±0.30

Units: mm

■ Specifications

Part Number	Induc-tance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPA1707SPV-R47MN-D	0.47	±20	1V/100K	0.7	0.9	110	100	60	55
TMPA1707SPV-R56MN-D	0.56	±20	1V/100K	0.81	0.97	80	70	56	50
TMPA1707SPV-1R0MN-D	1.00	±20	1V/100K	1.06	1.3	50	45	46	42
TMPA1707SPV-1R5MN-D	1.50	±20	1V/100K	1.5	1.8	46	40	39	35
TMPA1707SPV-1R8MN-D	1.80	±20	1V/100K	1.7	2.0	40	34	35	32
TMPA1707SPV-2R2MN-D	2.20	±20	1V/100K	1.8	2.2	35	32	32	30
TMPA1707SPV-3R3MN-D	3.30	±20	1V/100K	2.7	3.3	32	29	30	28
TMPA1707SPV-4R7MN-D	4.70	±20	1V/100K	3.7	4.5	29	26	28	26
TMPA1707SPV-6R8MN-D	6.80	±20	1V/100K	6.0	7.2	25	22	24	22
TMPA1707SPV-100MN-D	10.0	±20	1V/100K	9.2	10.6	22	19	21	19
TMPA1707SPV-150MN-D	15.0	±20	1V/100K	12.8	15.5	16	14	16	14
TMPA1707SPV-220MN-D	22.0	±20	1V/100K	20.5	24	13.5	11.5	13.5	11.5
TMPA1707SPV-330MN-D	33.0	±20	1V/100K	32	37	12	10	12	10
TMPA1707SPV-470MN-D	47.0	±20	1V/100K	40	47	9.5	8.0	9.5	8.0
TMPA1707SPV-680MN-D	68.0	±20	1V/100K	66	76	8.5	7.2	8.0	6.5
TMPA1707SPV-820MN-D	82.0	±20	1V/100K	69	83	8.0	6.5	6.5	5.7

Note:

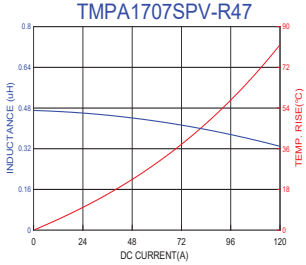
1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃

2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

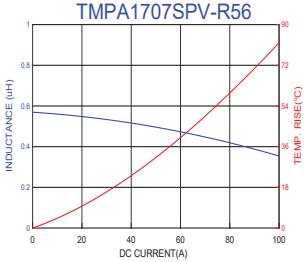
TMPA 1707SP Series (6868 inch -55~+150)

■ DC Bias Characteristics (Typical)

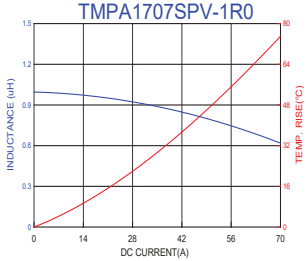
TMPA1707SPV-R47



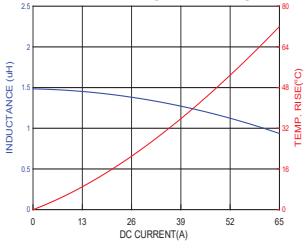
TMPA1707SPV-R56



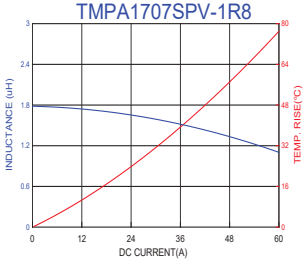
TMPA1707SPV-1R0



TMPA1707SPV-1R5



TMPA1707SPV-1R8



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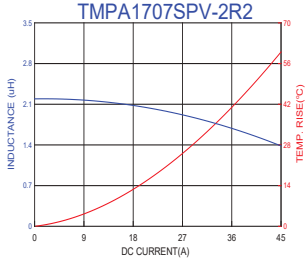

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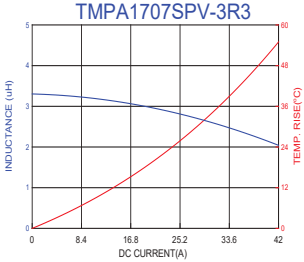
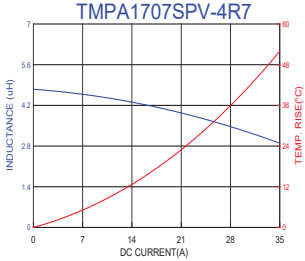
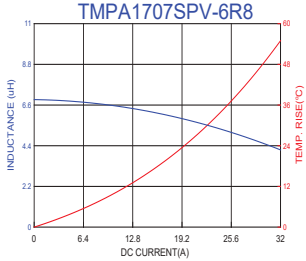


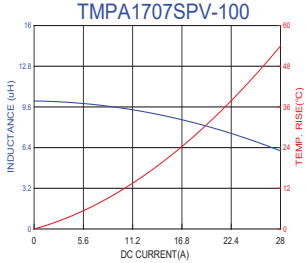
TMPA1707SPV-4R7



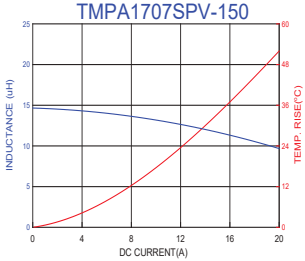
TMPA1707SPV-6R8



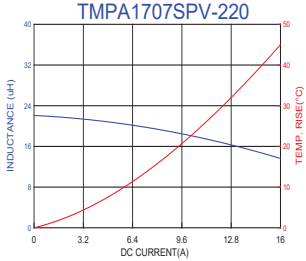
TMPA1707SPV-100



TMPA1707SPV-150



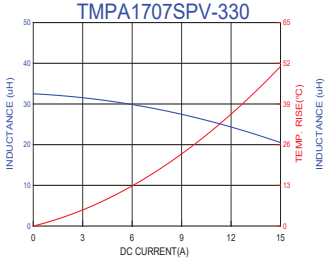
TMPA1707SPV-220



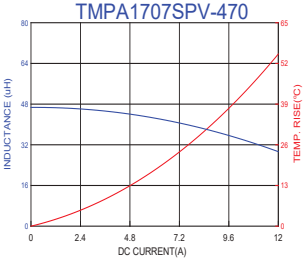
TMPA 1707SP Series (6868 inch -55~+150)

■ DC Bias Characteristics (Typical)

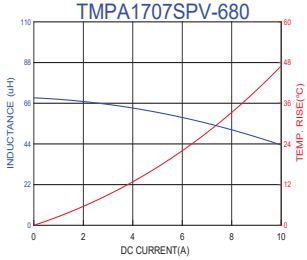
TMPA1707SPV-330



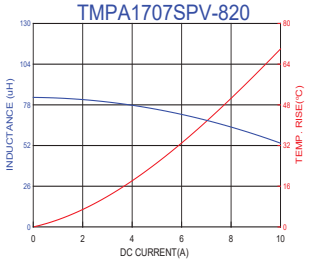
TMPA1707SPV-470



TMPA1707SPV-680



TMPA1707SPV-820



TMPC 1707HP Series (6868 inch -55~+125)

■ Dimensions

Dimensions	
A	17.60±0.40
B	16.90±0.30
C	6.70±0.30
D	2.10±0.30
E	11.90±0.30

Units: mm

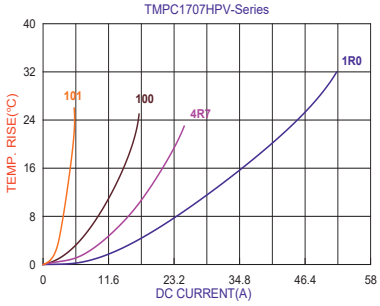
■ Specifications

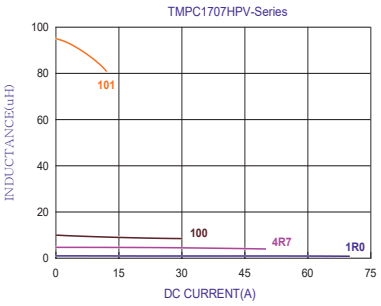
Part Number	Inductance L0 (uH)±20%	I rms (A)typ	I sat (A)typ	DCR (mΩ) typ. @25℃.	DCR (mΩ) max. @25℃.
TMPC1707HPV-1R0MG	1.00	52.0	70.0	1.6	2.0
TMPC1707HPV-2R2MG	2.20	43.5	62.0	2.4	2.7
TMPC1707HPV-3R3MG	3.30	28.0	54.0	3.5	3.9
TMPC1707HPV-4R7MG	4.70	25.0	50.0	4.8	5.5
TMPC1707HPV-5R6MG	5.60	21.0	45.0	5.8	7.05
TMPC1707HPV-6R8MG	6.80	19.0	39.0	8.4	9.2
TMPC1707HPV-100MG	10.0	16.5	29.0	11.8	13.0
TMPC1707HPV-220MG	22.0	12.0	23.0	25.1	26.5
TMPC1707HPV-330MG	33.0	10.7	20.0	38.0	44.0
TMPC1707HPV-470MG	47.0	8.7	16.0	48.0	55.0
TMPC1707HPV-680MG	68.0	7.0	13.0	68.0	80.0
TMPC1707HPV-101MG	100	5.3	12.0	102.0	118.0

Note:

1. Test frequency : L : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃
4. Saturation Current (Isat) will cause L0 to drop 30% typical.
5. Special inquiries besides the above common used types can be met on your requirement.

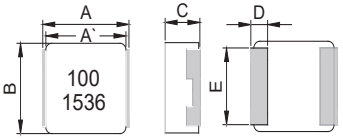
■ DC Bias Characteristics (Typical)





TMPA 2313SP Series (9090 inch -55~+150)

■ Dimensions



Series	A(mm)	A`(mm)	B(mm)	C(mm)	D(mm)	E(mm)
TMPA2313	23.5±0.5	22.7±0.3	22.0±0.3	12.6±0.4	5.0±0.4	19.0±0.3

Units: mm

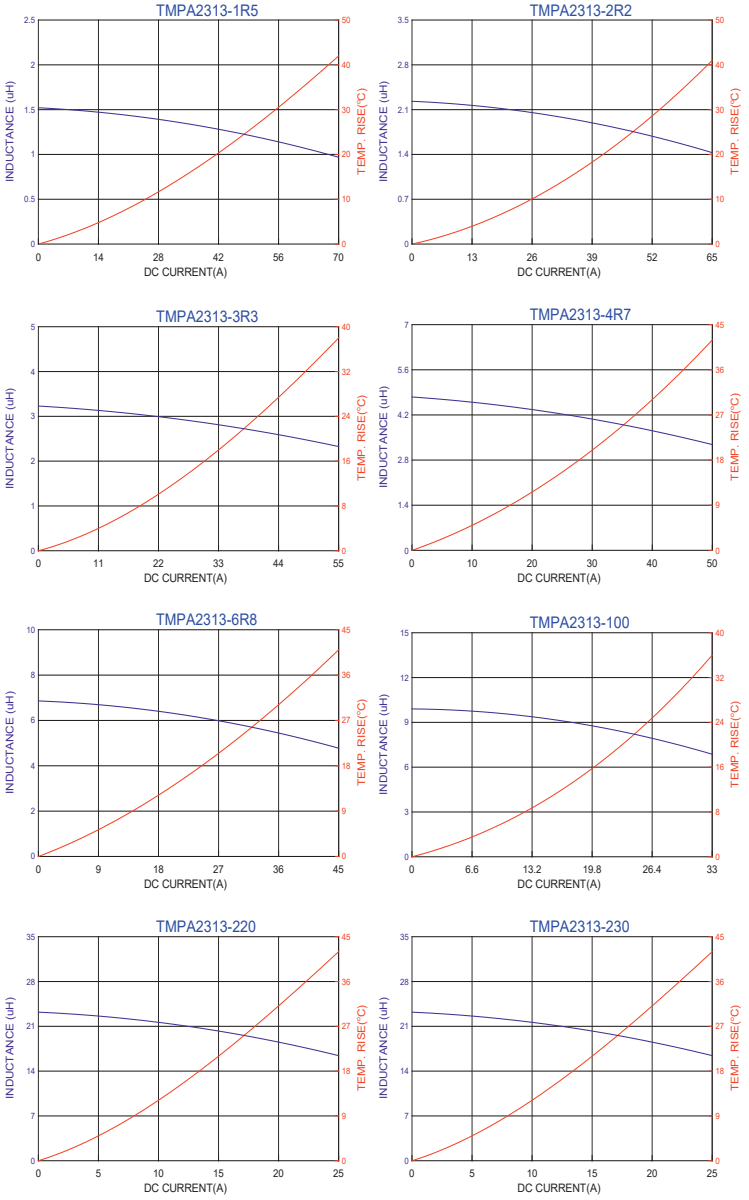
■ Specifications

Part Number	Inductance L0 A(uH) ±20%	Heat Rating Current DC (A) Irms.		Saturation Current DC (A)I sat		DCR (mΩ) Typ	DCR (mΩ) Max
		Typ	Max	Typ	Max		
TMPA2313SPV-1R5MN	1.50	62	57	52	48	1.00	1.15
TMPA2313SPV-2R2MN	2.20	58	52	48	43	1.05	1.25
TMPA2313SPV-3R3MN	3.30	49	47	41	37	1.50	1.75
TMPA2313SPV-4R7MN	4.70	47	44	38	34	1.90	2.20
TMPA2313SPV-6R8MN	6.80	40	36	36	32	2.70	3.10
TMPA2313SPV-100MN	10.0	33	30	28	20	3.80	4.15
TMPA2313SPV-220MN	22.0	22	18	15	14	9.20	11.0
TMPA2313SPV-230MN	23.0	22	18	15	14	9.20	11.0
TMPA2313SPV-330MN	33.0	19	16	12	10.5	13.5	15.4
TMPA2313SPV-470MN	47.0	17	14	12	10.0	17.3	20.8
TMPA2313SPV-680MN	68.0	14	12	12	9.0	26.2	29.5
TMPA2313SPV-750MN	75.0	13	11	10.5	8.5	27.5	31.6
TMPA2313SPV-820MN	82.0	12	10	9.0	7.7	31.0	34.2
TMPA2313SPV-101MN	100	11	9.5	9.0	7.5	36.0	40.0

Note:
1. Test frequency : Ls : 100KHz /1.0V.
2. All test data referenced to 25℃ ambient.
3. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
4. Saturation Current (Isat) will cause L0 to drop approximately 30%.

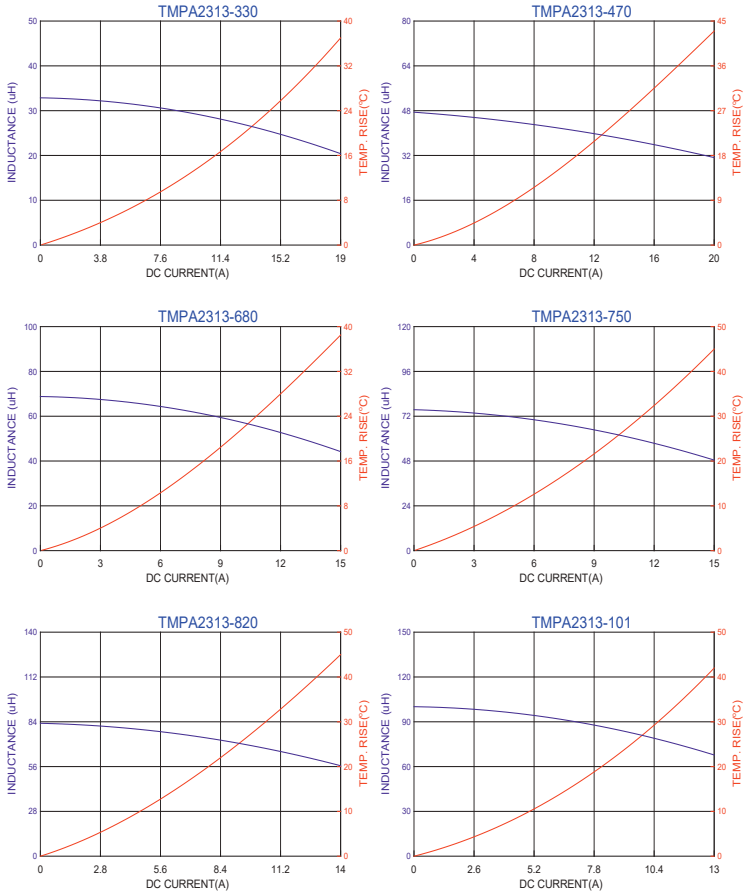
TMPA 2313SP Series (9090 inch -55~+150)

■ DC Bias Characteristics (Typical)

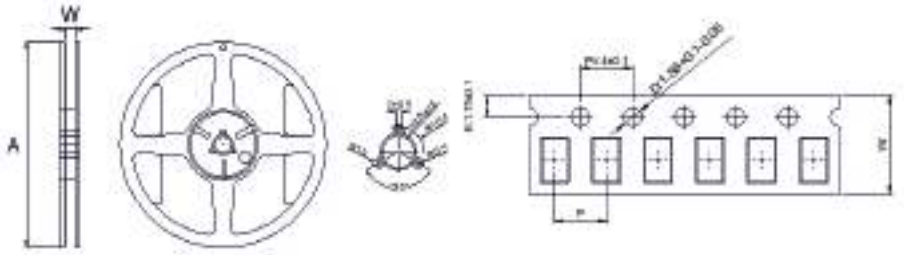


TMPA 2313SP Series (9090 inch -55~+150)

■ DC Bias Characteristics (Typical)

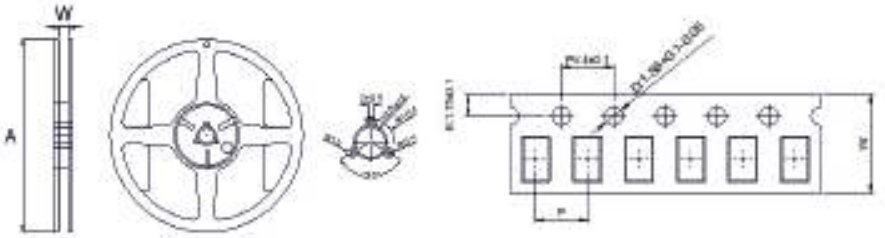


Packaging



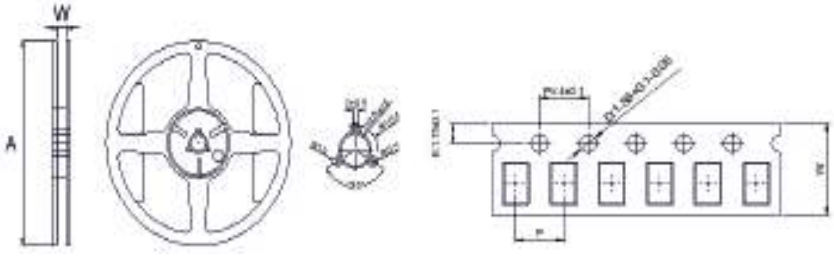
Products Packaging Information									
Series	A	W	P	Qty	Series	A	W	P	Qty
FCM/HCB 1005	7"	8	2	10,000	FCI 1005	7"	8	2	10,000
GHB 1005	7"	8	2	10,000	FCI 1608	7"	8	4	4,000
FCM/HCB 1608	7"	8	4	4,000	FCI 201209	7"	8	4	4,000
FCM/HCB 2012	7"	8	4	4,000	FCI 201212	7"	8	4	2,000
FCM/HCB 3216	7"	8	4	3,000	FCI 3216	7"	8	4	3,000
FCA 3216	7"	8	4	3,000	SWF 1608	7"	8	4	3,000
BPH323023	7"	8	8	1,000	SWF 2012	7"	8	4	2,000
BPH403025	7"	12	8	500	SWF 2520	7"	8	4	2,000
BPH853225	7"	16	8	500	SWF 3225	7"	8	4	2,000
HCB 4516	7"	12	4	2,000	PAS2016	7"	8	4	2,000
HCB 4532	7"	12	8	1,000	PAS 3010/3012	7"	8	4	2,000
HSF 1210	7"	8	4	3,000	PAS 3015	7"	8	4	2,000
WCM/HDMI 2012	7"	8	4	2,000	PAS 4018	13"	12	8	3,500
HSF/BCM 2012	7"	8	4	2,000	PAS 4420	7"	12	8	1,000
TCM 2520	7"	8	4	2,000	PAS 6420	7"	16	8	1,000
WCM/DCM 3216	7"	8	4	2,000	PAS 1225	13"	24	8	1,000
WCM/TCM 3225	7"	8	4	2,000					
ACM 3225	7"	8	4	2,000					
DCM3532	13"	12	8	2,000	**Note:** For more details of packaging information, please contact TAI-TECH to acquire the Specification for Approval.				
ACM4532	7"	12	8	500					
WCM 4532	7"	12	8	500					

Packaging



Products Packaging Information									
Series	A	W	P	Qty	Series	A	W	P	Qty
UHP/DFP 201610	7"	8	4	2,000	TMPC 0312H	13"	12	8	4,000
AHP 201610	7"	8	4	2,000	TMPC 0302H	13"	12	8	3,000
DFP 201612	7"	8	4	2,000	TMPC 0412HP	13"	12	8	4,000
HPC252008	7"	8	4	2,000	TMPC 0402HP	13"	12	8	3,000
DFP 252010	7"	8	4	2,000	TMPC 0512HP	13"	12	8	4,000
AHP 252010	7"	8	4	2,000	TMPC 0515HP	13"	12	8	3,500
UHP/DFP 252012	7"	8	4	2,000	TMPC 0518HP	13"	12	8	3,000
AHP 252012	7"	8	4	2,000	TMPF 0502	13"	12	8	3,000
HPC 3010/12	7"	8	4	2,000	TMPA 0503	13"	12	8	2,000
HPC3015	7"	8	4	2,000	TMPF 0503	13"	16	8	2,000
HPC 4010	13"	12	8	5,000	TMPC 0612H	13"	16	12	3,000
HPC 4012	13"	12	8	4,500	TMPC 0615H	13"	16	12	2,000
HPC 4018	13"	12	8	3,500	TMPC 0618H	13"	16	12	2,000
HPC 5020	13"	12	8	2500	TMPC 0602/24H	13"	16	12	1,500
HPC 5040	13"	12	8	1,500	TMPC 0603/04H	13"	16	12	1,000
HPC 6020	13"	16	12	2,000					
HPC 6045	13"	16	12	1,000					
FPI 0705	13"	16	12	1,000					
HPC8040	13"	16	12	1,000	**Note:** For more details of packaging information, please contact TAI-TECH to acquire the Specification for Approval.				

Packaging



Products Packaging Information									
Series	A	W	P	Qty	Series	A	W	P	Qty
TMPA 0603	13”	16	12	1,000					
TMPF 0603	13”	16	12	1,000					
TMPC 0605H	13”	16	12	800					
TMPF 0605	13”	16	12	800					
TMPF 0703	13”	16	12	1500					
TMPC 1004/05H	13”	24	16	500					
TMPA 1004	13”	24	16	500					
TMPC 1235/05	13”	24	16	500					
TMPC 1206/65	13”	24	16	500					
TMPC 1707HP	13”	32	24	200					
TMPA 2313	13”	44	32	80					
TXF 4632	13”	12	8	2000					
					Note: For more details of packaging information, please contact TAI-TECH to acquire the Specification for Approval.				

0.The Temperature Grades for Passive Electrical Component.

GRADE	TEMPERATURE RANGE		PASSIVE COMPONENT TYPE Maximum capability unless otherwise specified and qualified	TYPICAL/EXAMPLE APPLICATION
	MINIMUM	MAXIMUM		
0	-50°C	+150°C	Flat chip ceramic resistors, X8R ceramic capacitors	All automotive
1	-40°C	+125°C	Capacitor Networks, Resistors, Inductors, Transformers, Thermistors, Resonators, Crystals and Varistors, all other ceramic and tantalum capacitors	Most underhood
2	-40°C	+105°C	Aluminum Electrolytic capacitors	Passenger compartment hot spots
3	-40°C	+85°C	Film capacitors, Ferrites, R/R-C Networks and Trimmer capacitors	Most passenger compartment
4	0°C	+70°C		Non-automotive

1. Inductive Products Process Change Qualification Guidelines for the Selection of Tests.

3. High Temperature Exposure (Storage)
4. Temperature Cycling
6. Moisture Resistance
7. Biased Humidity
8. Operational Life
9. External Visual
10. Physical Dimension
11. Terminal Strength (Leaded)
12. Resistance to Solvents
13. Mechanical Shock
14. Vibration
15. Resistance to Soldering Heat
16. Thermal Shock
17. Electrostatic Discharge (ESD)
18. Solderability
19. Electrical Characterization
20. Flammability
21. Board Flex
22. Terminal Strength (SMD)

Stress Tests for AEC-Q200

Note: A letter or "•" indicates that performance of that stress test should be considered for the appropriate process change

Test # From Table 5	3	4	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22						
MATERIAL																									
Bobbin material	•	•		•	•	•				•			•				•								
Core material		•			•	•				•			•			B	•								
Insulation material	•	•		•	•	•			•			•	•	a		B	•								
Lead material					•	•		•			•	•			•			•	•						
Mold material	•	•	•	•	•	•			•	•			•			B	•								
Solder material		•				•		•		•	•		•		•			•	•						
Wirefoil material			•	•	•	•								•		B		•	•						
PROCESS																									
Insulation strip			•			•			•			•													
Lead prep/plating		•				•		•			•	•	•		•			•	•						
Terminal Attach		•	•			•		•		•	•	a	•		•										
Marking						•			•																
Molding	•	•		•	•	•	•		•	•			•			B	•								
Soldering		•				•		•			•		•		•			•	•						
Winding - Insulation				•	•				•			•		a		B									
Winding - Wire			•		•	•										B									
DESIGN																									
Bobbin		•				•	•			•			•	•		B									
Core		•				•	•			•	•		•			B									
Insulation system				•	•	•	•		•			•		a		B	•								
Load						•	•	•			•	•		•	•			•	•						
Mold		•	•			•	•		•	•			•			B									
Wire foil		•				•	•						•			B		•	•						
MISCELLANEOUS																									
Mfg. Site Transfer	•	•	•		•			•				•	•			B			•						
Material Suppliers		•	•			•	•	•					•			B									
Process Control Change						•	•																		

a = Multilayer only

B = comparative data (unchanged vs. Changed) required

2.Table of Test Methods for Inductors.(1/2)

Stress Tests	NO	Reference	Additional Requirements
Pre- and Post-Stress Electrical Test	1	User Spec.	Test is performed except as specified in the applicable stress reference and the additional requirements in Table .
High Temperature Exposure (Storage)	3	MIL-STD-202 Method 108	1000 hrs. at rated operating temperature (e.g. 125°C part can be stored for 1000 hrs. @ 125°C. Same applies for 105°C and 85°C. Unpowered. Measurement at 24±4 hours after test conclusion.
Temperature Cycling	4	JESD22 Method JA-104	1000 cycles (-40°C to +125°C). Note: If 85°C part or 105°C part the 1000 cycles will be at that temperature. Measurement at 24±4 hours after test conclusion. 30min maximum dwell time at each temperature extreme. 1 min. maximum transition time.
Moisture Resistance	6	MIL-STD-202 Method 106	t = 24 hours/cycle. Note: Steps 7a & 7b not required. Unpowered. Measurement at 24±2 hours after test conclusion.
Biased Humidity	7	MIL-STD-202 Method 103	1000 hours 85°C/85%RH. Unpowered. Measurement at 24±4 hours after test conclusion.
Operational Life	8	MIL-PRF-27	MIL-PRF-27 1000 hrs. @ 105°C. If 85°C or 125°C part will be tested at that temperature. Measurement at 24±4 hours after test conclusion.
External Visual	9	MIL-STD-883 Method 2009	Inspect device construction, marking and workmanship. Electrical Test not required.
Physical Dimension	10	JESD22 Method JB-100	Verify physical dimensions to the applicable device detail specification. Note: User(s) and Suppliers spec. Electrical Test not required.
Terminal Strength (Leaded)	11	MIL-STD-202 Method 211	Test leaded device lead integrity only. Conditions: A (910 g), C (1.13 kg), E (1.45 kg-mm)
Resistance to Solvents	12	MIL-STD-202 Method 215	Note: Add Aqueous wash chemical. OKEM Clean or equivalent. Do not use banned solvents.
Mechanical Shock	13	MIL-STD-202 Method 213	Figure 1 of Method 213. Condition C

2.Table of Test Methods for Inductors.(2/2)

Stress Tests	NO	Reference	Additional Requirements
Vibration	14	MIL-STD-202 Method 204	5g's for 20 minutes, 12 cycles each of 3 orientations. Note: Use 8"X5" PCB, .031" thick, 7 secure points on one long side and 2 secure points at corners of opposite sides. Parts mounted within 2" from any ecure point. Test from 10-2000 Hz.
Resistance to Soldering Heat	15	MIL-STD-202 Method 210	Condition B No pre-heat of samples. Note: Single Wave Solder - Procedure 2 for SMD and Procedure 1 for Leaded with solder within 1.5mm of device body.
Thermal Shock	16	MIL-STD-202 Method 107	-40°C/+125°C. Note: Number of cycles required is 300. Maximum transfer time is 20 seconds. Dwell time is 15 minutes. Below 125°C use Condition A for maximum temperature. Air-Air.
ESD	17	AEC-Q200-002 or ISO/DIS 10605	
Solderability	18	J-STD-002	For both Leaded & SMD. Electrical Test not required. Magnification 50X. Conditions: Leaded: Method A @ 235°C, category 3. SMD: a) Method B, 4 hrs @ 155°C dry heat @ 235°C b) Method B @ 215°C category 3. c) Method D category 3 @ 260°C.
Electrical Characterization	19	User Spec.	Parametrically test per lot and sample size requirements, summary to show Min, Max, Mean and Standard deviation at room as well as Min and Max operating temperatures.
Flammability	20	UL-94	V-0 or V-1 Acceptable
Board Flex	21	AEC-Q200-005	60 sec minimum holding time.
Terminal Strength (SMD)	22	AEC-Q200-006	