Winding Type Chip Inductor

SNL252018QF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature-40~+125℃(Including self - temperature rise)

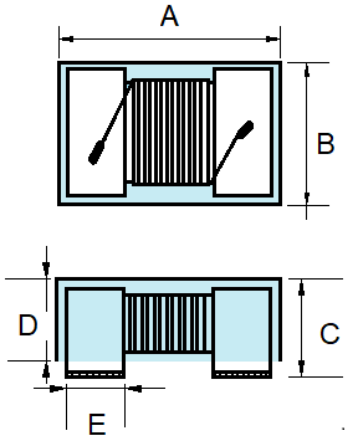
Halogen-free

RoHS

2. Application

Smart meters, AV equipment, xDSL, electronic devices for communications infrastructure such as mobile base stations, industrial equipment, other

3. Dimension



Size	A	B	C	D	E
SNL252018	2.50±0.30	2.00±0.30	1.80±0.10	1.50±0.10.	0.45ref

Unit:mm

4. Part Numbering

SNL	252018	Q	F	-	R47	K
A	B	C	D		E	F

A: Series
B: Dimension L x WxH
C: Application For Signal Use
D: Lead free type
E: Inductance 1R0=1.0uH
F: Inductance Tolerance J=±5%, K=±10%

5. Specification

TAI-TECH Part Number	Ls(uH)	Tolerance	Q ref.	L / Q Frequency	SRF(MHz) ref	DCR(Ω) Max	IDC(A) Max
SNL252018QF-10N□	0.010	J,K	15	100M	2150	0.26	0.530
SNL252018QF-12N□	0.012	J,K	15	100M	2050	0.27	0.500
SNL252018QF-15N□	0.015	J,K	15	100M	2000	0.29	0.480
SNL252018QF-18N□	0.018	J,K	15	100M	1850	0.31	0.450
SNL252018QF-22N□	0.022	J,K	15	100M	1650	0.37	0.420

TAI-TECH Part Number	Ls(uH)	Tolerance	Q ref.	L / Q Frequency	SRF(MHz) ref	DCR(Ω) Max	IDC(A) Max
SNL252018QF-27N□	0.027	J,K	15	100M	1550	0.40	0.410
SNL252018QF-33N□	0.033	J,K	20	100M	1450	0.42	0.400
SNL252018QF-39N□	0.039	J,K	20	100M	1350	0.45	0.380
SNL252018QF-47N□	0.047	J,K	20	100M	1200	0.50	0.360
SNL252018QF-56N□	0.056	J,K	20	100M	1100	0.60	0.340
SNL252018QF-68N□	0.068	J,K	20	100M	1050	0.65	0.320
SNL252018QF-82N□	0.082	J,K	20	100M	900	0.75	0.300
SNL252018QF-R10□	0.10	J,K	20	100M	800	0.80	0.280
SNL252018QF-R12□	0.12	J,K	30	25.2M	700	0.30	0.550
SNL252018QF-R22□	0.22	J,K	30	25.2M	450	0.50	0.450
SNL252018QF-R27□	0.27	J,K	30	25.2M	425	0.55	0.425
SNL252018QF-R33□	0.33	J,K	30	25.2M	400	0.60	0.400
SNL252018QF-R47□	0.47	J,K	30	25.2M	350	0.68	0.400
SNL252018QF-R56□	0.56	J,K	30	25.2M	325	0.75	0.400
SNL252018QF-R82□	0.82	J,K	30	25.2M	260	1.00	0.300
SNL252018QF-1R0□	1.00	J,K	30	7.96M	245	1.10	0.245
SNL252018QF-1R2□	1.20	J,K	30	7.96M	230	1.20	0.230
SNL252018QF-2R2□	2.20	J,K	30	7.96M	105	1.55	0.200
SNL252018QF-3R3□	3.30	J,K	30	7.96M	55	1.90	0.185
SNL252018QF-4R7□	4.70	J,K	30	7.96M	43	2.30	0.175
SNL252018QF-5R6□	5.60	J,K	25	7.96M	42	2.50	0.170
SNL252018QF-6R8□	6.80	J,K	25	7.96M	39	2.70	0.165
SNL252018QF-8R2□	8.20	J,K	25	7.96M	36	3.05	0.160
SNL252018QF-100□	10.0	J,K	25	2.52M	33	3.50	0.155
SNL252018QF-150□	15.0	J,K	25	2.52M	26	4.80	0.140
SNL252018QF-220□	22.0	J,K	25	2.52M	22	5.50	0.125
SNL252018QF-270□	27.0	J,K	25	2.52M	21	6.30	0.115
SNL252018QF-330□	33.0	J,K	25	2.52M	20	7.10	0.110
SNL252018QF-470□	47.0	J,K	20	2.52M	17	11.10	0.080
SNL252018QF-560□	56.0	J,K	20	2.52M	16	12.10	0.075
SNL252018QF-680□	68.0	J,K	20	2.52M	15	16.60	0.070
SNL252018QF-820□	82.0	J,K	20	2.52M	13	19.00	0.066
SNL252018QF-101□	100	J,K	15	0.796M	12	21.00	0.060