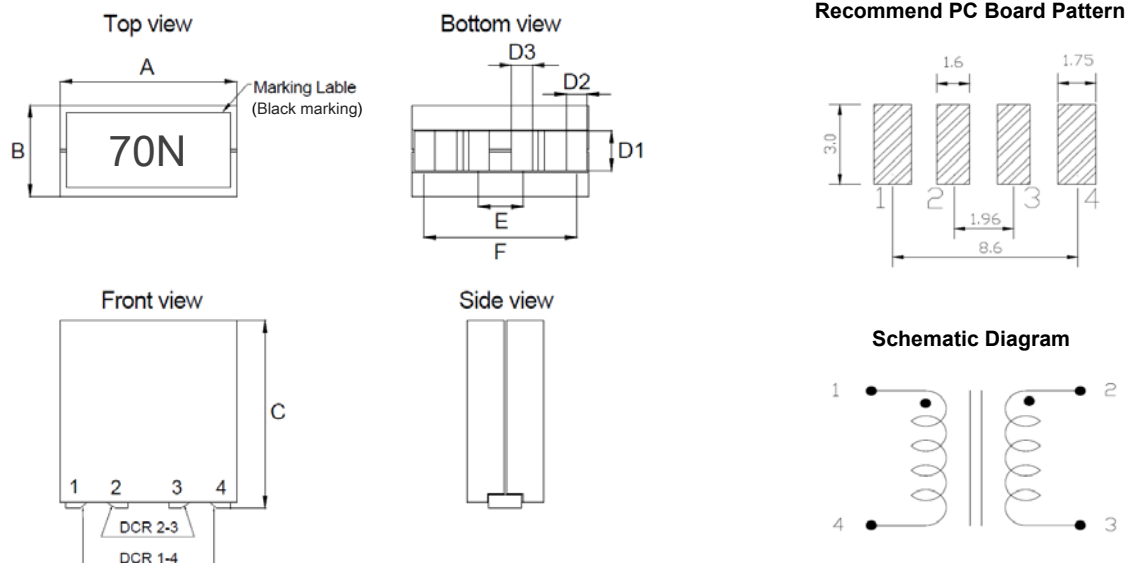


1. Dimension



Series	A(mm)	B(mm)	C(mm)	D1mm)	D2(mm)	D3(mm)	E(mm)	F(mm)
TLVR100512	10.0 max	5.0 max	12.0 max	2.30 typ	1.10 typ	0.86 typ	1.96 typ	8.60 typ

PAD surface flatness 0.1mm max

2. Part Numbering

TLVR 100512 - R07 K - D01

A B C D E

A: Series

B: Dimension

C: Inductance

R07=70nH

D: Inductance Tolerance

K=±10%

E: Inner Code

3. Specification

TAI-TECH Part Number	L (nH) 1-4/2-3 ±10%	L2 (nH)@Isat1 Min 1-4	DCR (mΩ) ±10%		Isat1 (A) Note b @25°C	Isat2 (A) Note b @100°C	Isat3 (A) Note b @125°C	Irms (A) 1-4 Note a	Irms (A) 2-3 Note a	Marking Code
			1-4	2-3						
TLVR100512-R07K-D01	70	50	0.125	0.450	127	110	100	75	35	70N
TLVR100512-R08K-D01	80	57	0.125	0.450	111	96	87	75	35	80N
TLVR100512-R09K-D01	90	64	0.125	0.450	98	85	77	75	35	90N
TLVR100512-R10K-D01	100	72	0.125	0.450	89	77	70	75	35	R10
TLVR100512-R12K-D01	120	86	0.125	0.450	74	64	58	75	35	R12
TLVR100512-R15K-D01	150	108	0.125	0.450	59	51	46	75	35	R15
TLVR100512-R17K-D01	170	122	0.125	0.450	52	45	41	75	35	R17

Note:

1. L @ 100kHz, 1.0Vrms, 0A, 25°C.

2. L2 @ 100kHz, 1.0Vrms, Isat.

3. DCR @ 25°C, test DCR1-4 & DCR2-3 which was shown on dimension page.

4. Operating Temperature: -40°C~ +125°C(Including self-temperature rise).

a. Irms: Irms is the DC current which causes the surface temperature of the part increase approximately 40°C.

b. Isat1: Peak current for approximately 20% rolloff at +25°C

b. Isat2: Peak current for approximately 20% rolloff at +100°C

b. Isat3: Peak current for approximately 20% rolloff at +125°C