



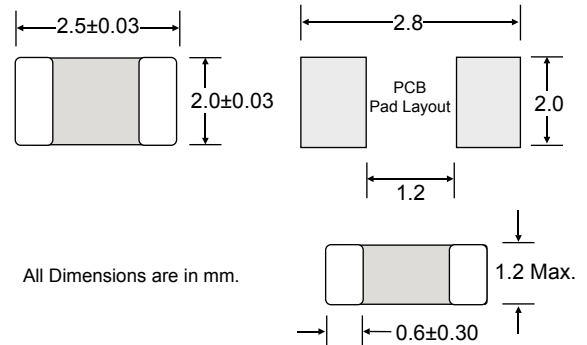
Molded Power Inductors TLIFJ252012B Series



Features

- Excellent Q, DCR & Saturation Current for high frequency and power applications
- Used in Mobile communications, Wireless LAN, Tuners Smart phones, Tablets and other high frequency modules.
- Operating Temperature: -40°C to $+125^{\circ}\text{C}$
- Storage Temperature: -40°C to $+125^{\circ}\text{C}$
- Halogen-free & RoHs compliant

Dimensions



- Packaging Type: Tape & Reel ($\varnothing 180\text{mm} \pm 2.0$)
- Packaging Quantity: 3,000 pcs/reel

Electrical Characteristics @20°C

Part Number	Inductance (μH)	Tolerance ($\pm\%$)	Test Frequency (MHz)	DCR (m Ω) Max. (Typ.)	Isat (A) ¹ Max. (Typ.)	I _{rms} (A) ² Max. (Typ.)
TLIFJ252012B-R24M-R8	0.24	20	2	15 (11.5)	9.0 (10.5)	6.2 (7.3)
TLIFJ252012B-R33M-R8	0.33	20	2	18 (14.5)	8.5 (10)	5.8 (6.4)
TLIFJ252012B-R47M-R8	0.47	20	2	33 (28)	5.6 (7.0)	3.8 (4.5)
TLIFJ252012B-R68M-R8	0.68	20	2	36 (30)	5.0 (6.2)	3.8 (4.4)
TLIFJ252012B-1R0M-R8	1	20	2	42 (35)	4.4 (5.5)	3.6 (4.1)
TLIFJ252012B-1R5M-R8	1.5	20	2	65 (57)	3.4 (4.2)	2.7 (3.1)
TLIFJ252012B-2R2M-R8	2.2	20	2	83 (74)	3.0 (3.7)	2.5 (2.9)
TLIFJ252012B-4R7M-R8	4.7	20	2	215 (190)	1.9 (2.2)	1.5 (1.65)

Notes:

- (1) Inductance at Isat drops 30% from initial value
- (2) I_{rms} @40°C temperature rise from ambient

