



HF

TLDC2012U-4R7M

Features

- Excellent 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 +105°C
- Storage Temperature: -40°C to +105°C
- Halogen-free & RoHS2 compliant

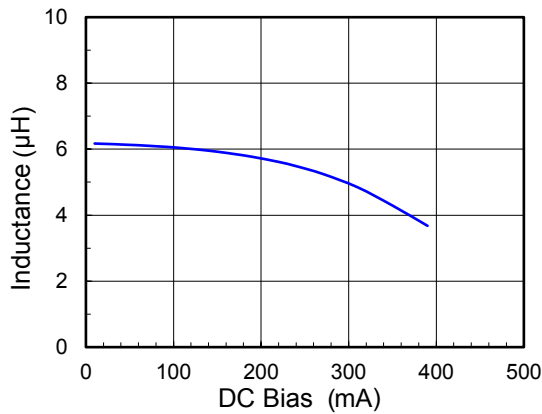


Electrical Characteristics @20°C

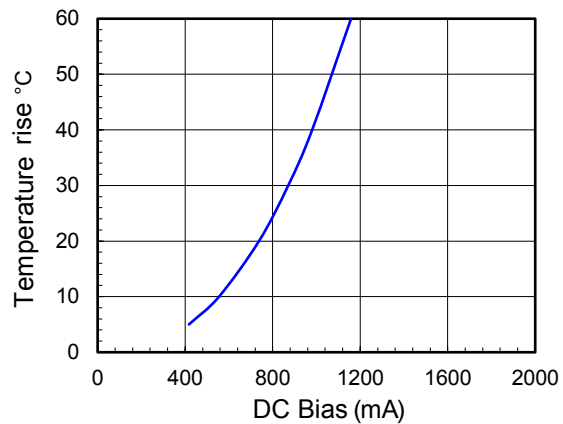
Part Number	Inductance (μH)	Self-Resonant Frequency (MHz)	Test Frequency (MHz)	DCR (Ω) Max. (Typ.)	Isat (A) ¹ Max. (Typ.)	Irms (A) ² Max. (Typ.)
TLDC2012U-4R7M	4.7	45	7.96	0.52	0.3	0.3

- Notes:
- (1) Inductance at Isat drops 30% from initial value
 - (2) Irms @40°C temperature rise from ambient
 - (3) Tolerance M: ±20%

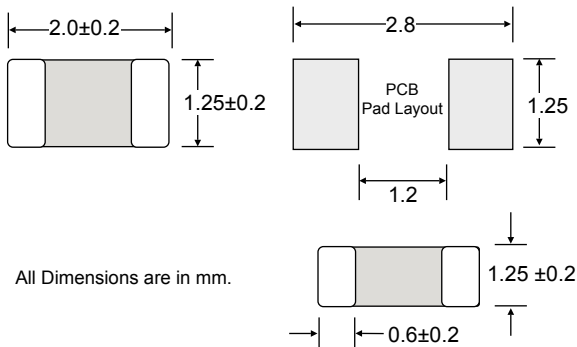
DC Bias vs Inductance



DC Bias vs Temperature



Dimensions



- Packaging Type: Tape & Reel (ø180mm±2.0)
- Packaging Quantity: 3,000pcs/reel

Frequency vs Inductance

