

SHIELDED POWER INDUCTORS TL0806 Series

Features:

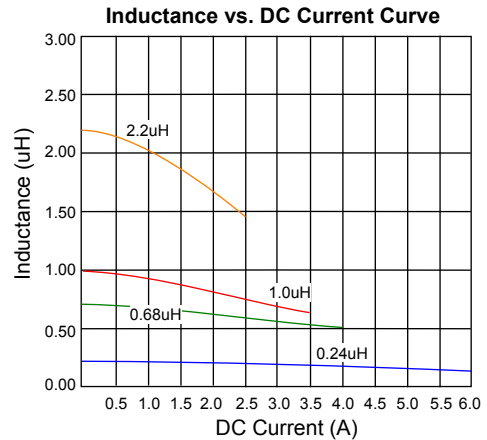
- Magnetically Shielded Surface Mount Inductor
- High Current Rating in compact packaging
- Low Profile
- Low DC Resistance
- Class-H wire Insulation
- Operating Temperature: -40°C to +125°C

Electrical Specifications @25°C

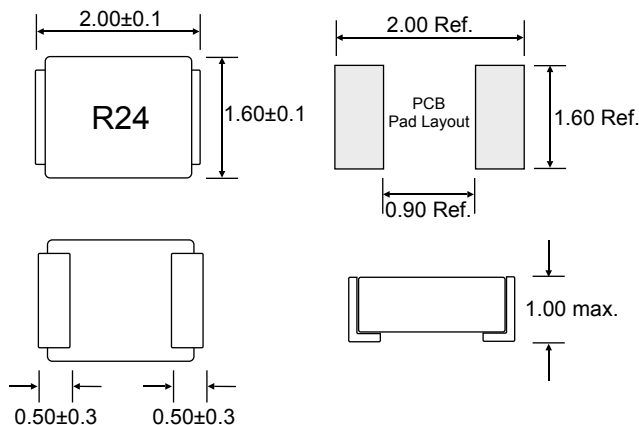
Part Number	Inductance ¹ ($\mu\text{H} \pm 20\%$)	DCR (m Ω max.)	I _{rms} ² (A)	I _{sat} ³ (ADC)
TL0806R24ML	0.24	21	4.05	5.05
TL0806R47ML	0.47	40	2.97	3.96
TL0806R68ML	0.68	49	2.79	3.33
TL08061R0ML	1	69	2.26	2.61
TL08062R2ML	2.2	162	1.48	1.71

Notes:

1. Inductance measured at 1MHz;1Vrms
2. Based on temperature rise of typical 40°C.
3. Based on typical 30% Inductance change from 0A current.

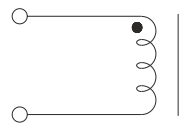


Dimensions



All Dimensions are in mm.

Schematic



Marking

R24 =0.24 μH
2R2 =2.2 μH

- Product weight: 18mg.
- Moisture sensitivity level: 1
- Storage Temperature: -40°C to +125°C
- Resistance to solder heat: 260°C (10secs)
- Add suffix "T" for tape & reel packaging or suffix "B" for bulk packaging