

New Product

WIREWOUND SHIELDED HIGH CURRENT POWER INDUCTOR SERIES HCPI1410

FEATURES

- RoHS Compliant
- High current handling capacity
- Extra-robust construction for extreme applications
- No noise under heavy load

ELECTRICAL SPECIFICATIONS

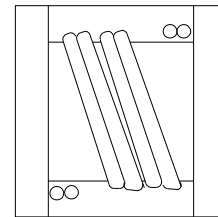
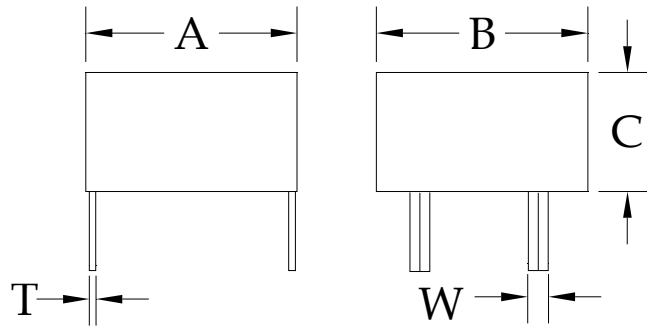
- Inductance range 0.6uH to 1.2uH
- Test condition 1Vrms @ 100kHz
- Test equipment Quadtech 1750 LCR Meter

PHYSICAL SPECIFICATIONS

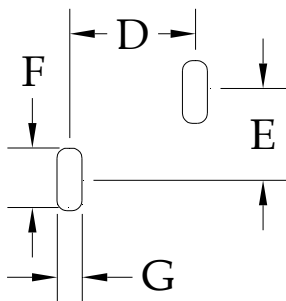
- Operating temp. -55°C to +125°C
- Core Composite material
- Packaging Bulk packed, 180 pcs/tray

Dimensions in millimeters

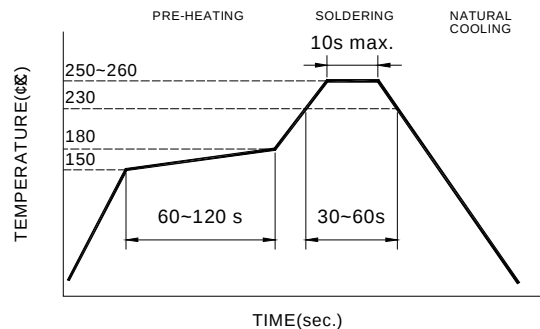
- Length A 14.0 max
- Width B 14.0 max
- Height C 11.0 max
- Terminal pitch D 11.5 ref
- Terminal pitch E 5.5 ref
- Terminal hole width F 2.8 min
- Terminal hole length G 1.4 min
- Terminal thickness T 1.3 ref
- Terminal width W 2.5 ref



Suggested PCB layout



Suggested Reflow Profile



Notes:

1. Based on ΔT of approximately 40°C
2. Based on ΔL of approximately -20%

All data based on 25°C ambient

Part temperature (ambient + temp rise) must not exceed 125°C under worst case operating conditions.