

Power Inductor

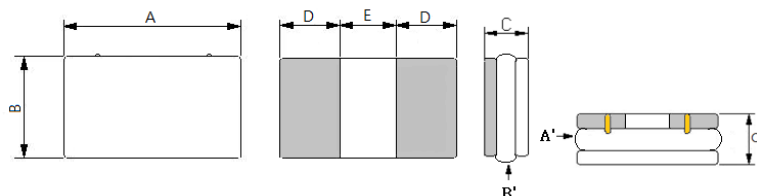
UHP160808TF-SERIES

1. Features

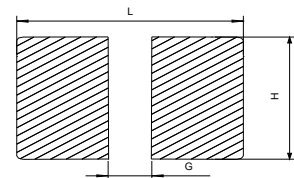
1. This specification applies Low Profile (0.80mm (max.) and Low DCR .
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating temperature -40~+125°C (Including self - temperature rise)



2. Dimension



Recommended Land pattern

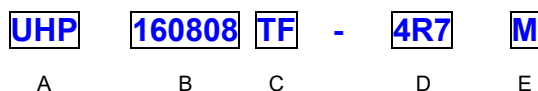


Series	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	D(mm)	E(mm)
UHP160808TF	1.60±0.15	1.80 Max	0.90±0.15	1.10 Max	0.80 Max	0.50 ref	0.60 ref

Units: mm

L(mm)	G(mm)	H(mm)
1.80	0.60	0.96

3. Part Numbering



- A: Series
 B: Dimension
 C: Lead Free
 D: Inductance
 E: Inductance Tolerance
- Ferrite
 4R7=4.7uH
 K=± 10%, L=± 15%, M=± 20%, Y=± 30%.

4. Specification

TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) Max	I sat (mA)	I rms (mA)
UHP160808TF-1R0M	1.0	1V/1M	0.150	800	1150
UHP160808TF-2R2M	2.2	1V/1M	0.345	520	750
UHP160808TF-4R7M	4.7	1V/1M	0.750	370	500
UHP160808TF-100M	10	1V/1M	1.760	210	300

Note:

Isat: Saturation Current (Isat) will cause L0 to drop approximately 30%.@ ambient temp. 25°C

Irms: Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

Rated DC current: The lower value of Irms and Isat.

Measurement board data

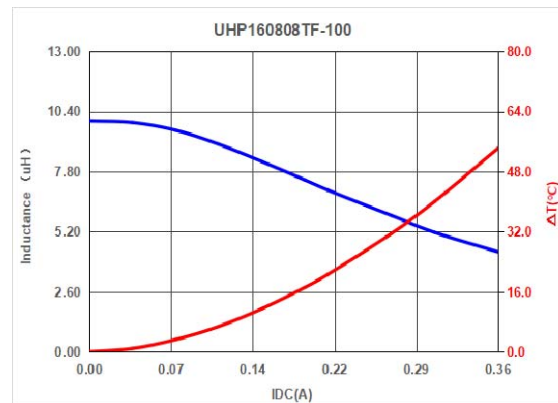
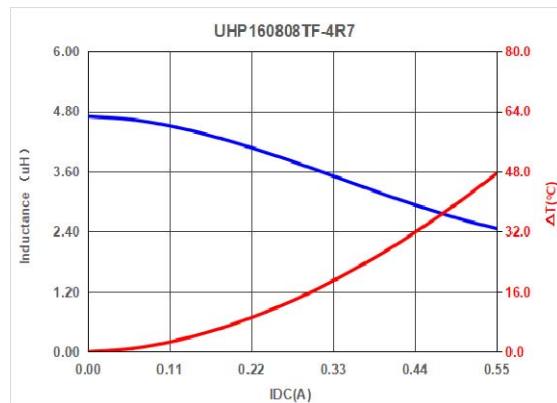
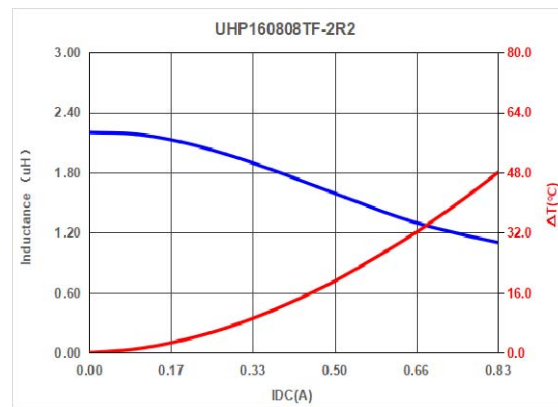
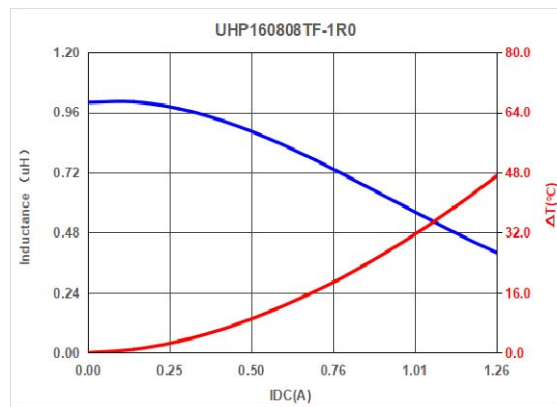
Irms

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 30 mm (Double side board)

Pattern thickness : 50 μm



11、Appearance criterion