

Winding Type Inductor

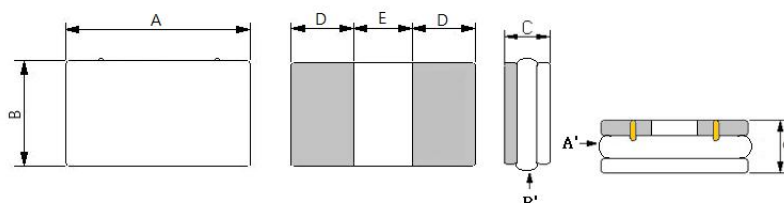
UHP201208TF-SERIES

1. Features

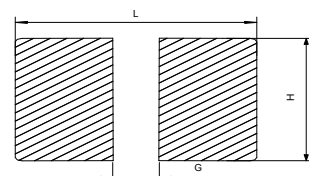
1. This specification applies Low Profile (Low DCR)
2. It can be applied to the Bluetooth device and other electronic equipment.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -40~+125°C (Including self - temperature rise)



2. Dimension



Recommended PC Board Pattern

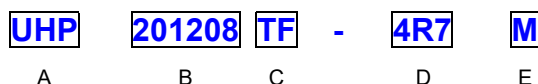


Series	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	D(mm)	E(mm)
UHP201208TF	2.00 ± 0.2	2.30 Max.	1.20 ± 0.2	1.50 Max.	0.80 Max.	0.70 ref.	0.60 ref.

Units: mm

L(mm)	G(mm)	H(mm)
2.40	0.60	1.44

3. Part Numbering



A: Series

B: Dimension

C: Lead Free

Ferrite

D: Inductance

4R7=4.7uH

E: Inductance Tolerance

M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (mA)	I rms (mA)
UHP201208TF-1R0M	1.0	±20%	1V/1M	0.120	1200	1500
UHP201208TF-2R2M	2.2	±20%	1V/1M	0.295	860	900
UHP201208TF-4R7M	4.7	±20%	1V/1M	0.600	600	600
UHP201208TF-100M	10.0	±20%	1V/1M	1.320	350	380

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