

Winding Type Inductor

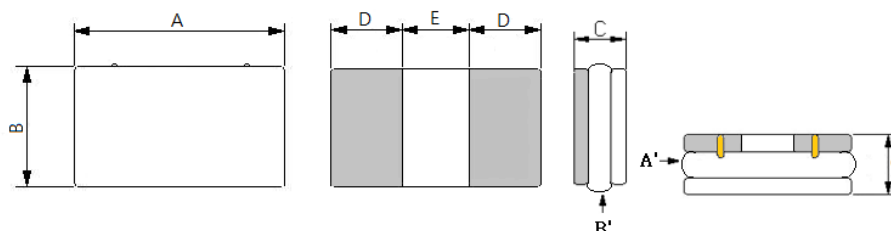
UHP201210RF-SERIES

1. Features

1. This specification applies Low Profile and 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)



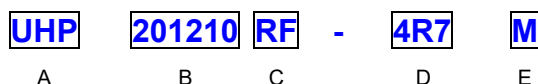
2. Dimension



Series	A(mm)	A'(mm)	B(mm)	B'(mm)	C(mm)	D(mm)	E(mm)
UHP201210RF	2.00 ± 0.2	2.34 Max.	1.20 ± 0.2	1.50 Max.	1.00 Max.	0.70 ref.	0.60 ref.

Units: mm

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) ±20%	Q Typ.	SRF(MHz) Typ.	I sat (mA)	I rms (mA)
UHP201210RF-1R0M	1.0	±20%	0.5V/7.9M	0.062	16	220	1100	2100
UHP201210RF-2R2M	2.2	±20%	0.5V/7.9M	0.150	16	140	750	1400
UHP201210RF-4R7M	4.7	±20%	0.5V/7.9M	0.320	16	85	470	1000
UHP201210RF-100M	10.0	±20%	0.5V/2.5M	0.590	28	65	320	600

Note:

Isat : Based on inductance change ($\Delta L/L0 : \leq 30\%$) @ ambient temp. 25°CI rms : Based on temperature rise ($\Delta T : 40^\circ\text{C}.$) Max

Measurement board data

I rms

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

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

Pattern thickness : 50 μm