

High Current Ferrite Chip Inductor (Lead Free)

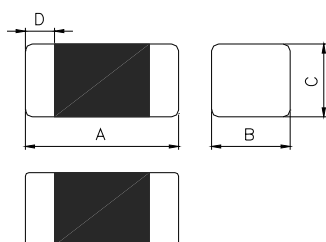
CPI201210UF-Series

1.Features

1. 2.0x1.25 mm and 1.0 mm in height (very compact size): CAE and fine printing technology made this compact size possible
2. Stable minimum DC resistance in the class.
3. High speed mounting: Using SMT mounter makes less than a second mounting possible.
4. Excellent mounting strength by SMD chip making.
5. Reduced noise over 2/3 of coil inductor by optimal design of CAD
Completely lead-free product and support lead-free solder.
6. Operating Temperature:-55~+105°C (Including self-temperature rise)



2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
201210	2.0±0.2	1.25±0.2	1.0 max.	0.5±0.3

3. Part Numbering

CPI
201210
U
F
-
2R2
M
-
0A8

A: Series

B: Dimension

C: Category Code

D: Material

E: Inductance

F: Inductance Tolerance

G: Rated Current

Lead Free Material

2R2=2.2uH

M=±20%

0A8=800mA

4.Specification

Tai-Tech Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω)	
				max.	typ.
CPI201210UF-1R0M-1A0	1.0±20%	1M / 60mV	1000	0.14	0.11
CPI201210UF-1R5M-0A8	1.5±20%	1M / 60mV	800	0.20	0.15
CPI201210UF-2R2M-0A8	2.2±20%	1M / 60mV	800	0.20	0.15
CPI201210UF-3R3M-0A7	3.3±20%	1M / 60mV	700	0.24	0.20
CPI201210UF-4R7M-0A7	4.7±20%	1M / 60mV	700	0.28	0.23

● Rated current: based on temperature rise test

● In compliance with EIA 595

Typical Inductance v.s. Frequency Curve

