

High Current Ferrite Chip Inductor (Lead Free)

CPI201210UV-SERIES

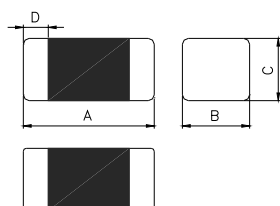
1. Features

- 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
6. Operating Temperature: -55~+125°C (Including self-temperature rise).
7. 100% Lead(Pb)-Free & Halogen-Free and RoHS compliant.
8. AEC-Q200.

AEC-Q200



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

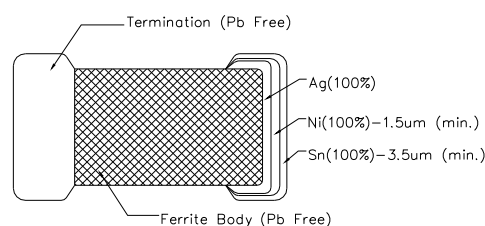
3. Part Numbering

CPI **201210** **U** **V** - **2R2** **M** - **0A8**

A B C D E F G

- A: Series
 B: Dimension
 C: Category Code
 D: Material
 E: Inductance
 F: Inductance Tolerance
 G: Rated Current

V=Vehicle
 2R2=2.2uH
 M=±20%
 0A8=800mA
 Anti-static packaging



4. Specification

Tai-Tech Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω)	
				max.	typ.
CPI201210UV-1R0M-1A0	1.0±20%	1M / 60mV	1000	0.14	0.11
CPI201210UV-1R5M-0A8	1.5±20%	1M / 60mV	800	0.20	0.15
CPI201210UV-2R2M-0A8	2.2±20%	1M / 60mV	800	0.20	0.15
CPI201210UV-3R3M-0A7	3.3±20%	1M / 60mV	700	0.24	0.20
CPI201210UV-4R7M-0A7	4.7±20%	1M / 60mV	700	0.28	0.23

- Rated current: based on temperature rise test
- In compliance with EIA 595
- All test data referenced to 25°C ambient

Typical Inductance v.s. Frequency Curve

