

High Current Ferrite Chip Inductor (Lead Free)

CPI201610UV-SERIES

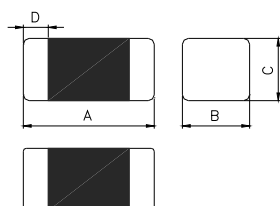
1. Features

AEC-Q200



- 1.2.0x1.6 mm and 1 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.

2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
201610	2.0±0.2	1.60±0.2	1.0 max.	0.5±0.3

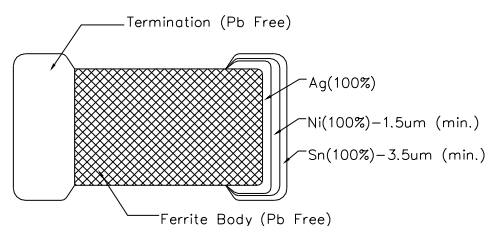
3. Part Numbering

CPI 201610 U V - 2R2 M - 1A2

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%
1A2=1200mA
Anti-static packaging



4. Specification

Tai-Tech Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR(Ω)	
				max.	typ.
CPI201610UV-1R0M-1A3	1.00±20%	1M / 60mV	1300	0.12	0.09
CPI201610UV-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.13	0.10
CPI201610UV-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.14	0.11
CPI201610UV-3R3M-1A1	3.30±20%	1M / 60mV	1100	0.16	0.13
CPI201610UV-4R7M-0A9	4.70±20%	1M / 60mV	900	0.20	0.16

- 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

