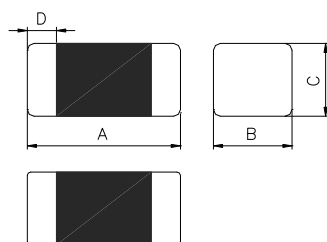


1. Features

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
Completely lead-free product and support lead-free solder.
6. Operating Temperature: -55~+105℃ (Including self-temperature rise)



2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
201610	2.0±0.2	1.6±0.2	1.0 max.	0.5±0.3

3. Part Numbering

CPI **201610** **U** **F** - **1R0** **M** - **1A3**
 A B C D E F G

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

Lead Free Material
 1R0=1.0uH
 M=±20%
 1A3=1300mA

4. Specification

Tai-Tech Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR(Ω)	
				max.	typ.
CPI201610UF-R47M-1A6	0.47±20%	1M / 60mV	1600	0.075	0.06
CPI201610UF-1R0M-1A3	1.00±20%	1M / 60mV	1300	0.12	0.09
CPI201610UF-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.13	0.10
CPI201610UF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.14	0.11
CPI201610UF-3R3M-1A1	3.30±20%	1M / 60mV	1100	0.16	0.13
CPI201610UF-4R7M-0A9	4.70±20%	1M / 60mV	900	0.20	0.16

- Rated current: based on temperature rise test
- In compliance with EIA 595

Typical Inductance v.s. Frequency Curve