



High Current Ferrite Chip Inductor (Lead Free)

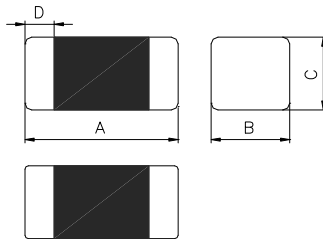
GPI201610UF-Series

1. Features

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

GPI **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

Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR(Ω)	
				max.	typ.
GPI201610UF-R47M-1A6	0.47±20%	1M / 60mV	1600	0.075	0.06
GPI201610UF-1R0M-1A3	1.00±20%	1M / 60mV	1300	0.12	0.09
GPI201610UF-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.13	0.10
GPI201610UF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.14	0.11
GPI201610UF-3R3M-1A1	3.30±20%	1M / 60mV	1100	0.16	0.13
GPI201610UF-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

