



High Current Ferrite Chip Inductor (Lead Free)

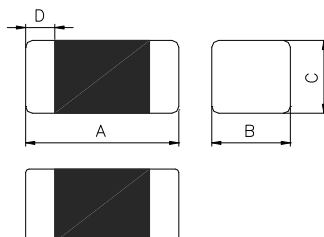
GPI201210UF-Series

1. Features

- 2.0x1.25 mm and 1.0 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°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

GPI **201210** **U** **F** - **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

Lead Free Material
 2R2=2.2uH
 M=±20%
 0A8=800mA

4. Specification

Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω)	
				max.	typ.
GPI201210UF-R47M-1A2	0.47±20%	1M / 60mV	1200	0.08	0.06
GPI201210UF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.14	0.11
GPI201210UF-1R5M-0A8	1.50±20%	1M / 60mV	800	0.20	0.15
GPI201210UF-2R2M-0A8	2.20±20%	1M / 60mV	800	0.20	0.15
GPI201210UF-3R3M-0A7	3.30±20%	1M / 60mV	700	0.24	0.20
GPI201210UF-4R7M-0A7	4.70±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

