



High Current Ferrite Chip Inductor (Lead Free)

GPI252010UF-Series

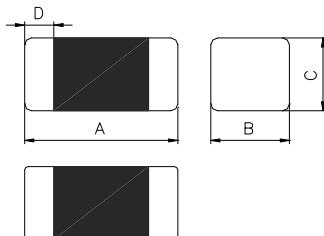
1. Features

1. 2.5x2.0 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°C (Including self-temperature rise)



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2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
252010	2.5±0.2	2.0±0.2	1.0max.	0.5±0.3

3. Part Numbering

GPI 252010 U F - 2R2 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
2R2=2.2uH
M=±20%
1A3=1300mA

4. Specification

Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω)	
				max.	typ.
GPI252010UF-R47M-1A8	0.47±20%	1M / 60mV	1800	0.05	0.04
GPI252010UF-1R0M-1A4	1.0±20%	1M / 60mV	1400	0.08	0.065
GPI252010UF-1R5M-1A3	1.5±20%	1M / 60mV	1300	0.09	0.075
GPI252010UF-2R2M-1A3	2.2±20%	1M / 60mV	1300	0.09	0.075
GPI252010UF-3R3M-1A2	3.3±20%	1M / 60mV	1200	0.12	0.09
GPI252010UF-4R7M-1A1	4.7±20%	1M / 60mV	1100	0.15	0.12

● Rated current: based on temperature rise test

● In compliance with EIA 595

Typical Inductance v.s. Frequency Curve

