



Power Inductor

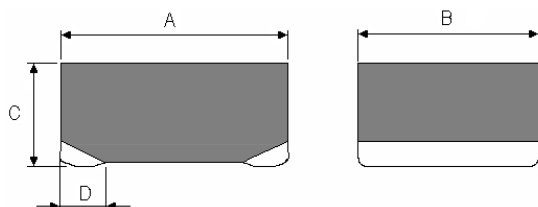
GWP252012UF-Series

1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating Temperature:-40~+125°C (Including self-temperature rise)



2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
252012	2.5±0.2	2.0±0.2	1.2 max.	0.5±0.3

3. Part Numbering

GWP **252012** **UF** - **1R0** **M**

A B C D E

A: Series

B: Dimension

C: Material

D: Inductance

E: Inductance Tolerance

1R0=1.0uH

M=±20%

4. Specification

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)	I rms (A)
			max.	typ.		
GWP252012UF-R24Y	0.24±30%	1V/1M	0.021	0.016	9.0	5.4
GWP252012UF-R33M	0.33±20%	1V/1M	0.024	0.020	7.1	4.8
GWP252012UF-R47M	0.47±20%	1V/1M	0.029	0.024	6.0	4.5
GWP252012UF-R68M	0.68±20%	1V/1M	0.036	0.027	5.4	4.0
GWP252012UF-1R0M	1.00±20%	1V/1M	0.046	0.038	4.6	3.5
GWP252012UF-1R5M	1.50±20%	1V/1M	0.067	0.056	3.5	3.0
GWP252012UF-2R2M	2.20±20%	1V/1M	0.091	0.076	3.1	2.5

Note:

1. Isat : Based on inductance change (approximately 30% below in the initial value)

2. Irms : Based on temperature rise (ΔT : 40°C typ.)

3. All test data referenced to 25°C ambient.



5. Typical Performance Curves

