



Power Inductors

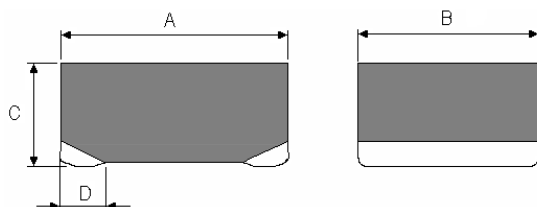
GWP252012AF-Series

1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating Temperature:-40~+105°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** **AF** - **R47** **M**

A: Series
 B: Dimension
 C: Material
 D: Inductance
 E: Inductance Tolerance

R47=0.47uH
 M=±20%

4. Specification

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)	I rms (A)
			max.	typ.		
GWP252012AF-R47M	0.47±20%	1V/1M	0.039	0.029	4.50	3.80
GWP252012AF-R68M	0.68±20%	1V/1M	0.056	0.046	3.50	3.30
GWP252012AF-1R0M	1.00±20%	1V/1M	0.065	0.054	3.00	2.90
GWP252012AF-2R2M	2.20±20%	1V/1M	0.125	0.104	2.50	2.20
GWP252012AF-3R3M	3.30±20%	1V/1M	0.167	0.139	1.90	1.90
GWP252012AF-4R7M	4.70±20%	1V/1M	0.260	0.198	1.60	1.60

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

