



Power Inductors

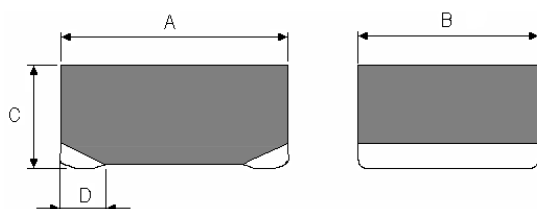
GWP201610AF-Series

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)
201610	2.0±0.2	1.6±0.2	1.0 max.	0.5±0.3

3. Part Numbering

GWP **201610** **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.		
GWP201610AF-R24M	0.24±20%	1V/1M	0.048	0.040	4.70	3.30
GWP201610AF-R47M	0.47±20%	1V/1M	0.053	0.044	3.60	3.00
GWP201610AF-R68M	0.68±20%	1V/1M	0.073	0.061	2.60	2.90
GWP201610AF-1R0M	1.00±20%	1V/1M	0.084	0.070	2.50	2.50
GWP201610AF-1R5M	1.50±20%	1V/1M	0.138	0.115	1.90	1.90
GWP201610AF-2R2M	2.20±20%	1V/1M	0.186	0.155	1.80	1.60
GWP201610AF-3R3M	3.30±20%	1V/1M	0.276	0.230	1.40	1.45
GWP201610AF-4R7M	4.70±20%	1V/1M	0.396	0.330	1.20	1.15

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

