



Power Inductor

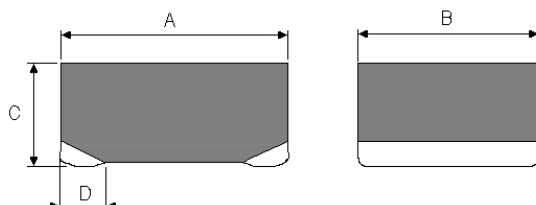
GWP201610UF-Series

1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating Temperature:-40~+125℃ (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** **UF** - **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.		
GWP201610UF-R24M	0.24±20%	1V/1M	0.026	0.020	6.5	4.5
GWP201610UF-R33M	0.33±20%	1V/1M	0.030	0.025	5.0	4.0
GWP201610UF-R47M	0.47±20%	1V/1M	0.037	0.031	4.5	3.8
GWP201610UF-R68M	0.68±20%	1V/1M	0.050	0.042	3.8	3.2
GWP201610UF-1R0M	1.00±20%	1V/1M	0.070	0.058	3.1	2.8
GWP201610UF-1R5M	1.50±20%	1V/1M	0.105	0.090	2.5	2.4

Note:

1. Isat : Based on inductance change (approximately 30% below in the initial value)
2. Irms : Based on temperature rise (ΔT : 40℃ typ.)
3. All test data referenced to 25℃ ambient.



5. Typical Performance Curves

