

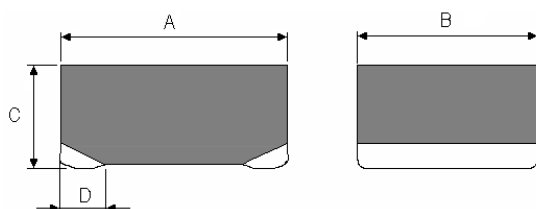
1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



Certificate
of
Green Partner

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

AWP **201610** **AF** - **R47** **M**

A: Series
 B: Dimension
 C: Material
 D: Inductance R47=0.47uH
 E: Inductance Tolerance M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			max.	typ.	max.	typ.	max.	typ.
AWP201610AF-R24M	0.24±20%	1V/1M	0.048	0.040	4.20	4.70	3.00	3.30
AWP201610AF-R47M	0.47±20%	1V/1M	0.053	0.044	2.70	3.60	2.80	3.00
AWP201610AF-R68M	0.68±20%	1V/1M	0.073	0.061	2.35	2.60	2.35	2.90
AWP201610AF-1R0M	1.0±20%	1V/1M	0.084	0.070	2.20	2.50	2.20	2.50
AWP201610AF-1R5M	1.5±20%	1V/1M	0.138	0.115	1.60	1.90	1.65	1.90
AWP201610AF-2R2M	2.2±20%	1V/1M	0.186	0.155	1.50	1.80	1.50	1.60
AWP201610AF-3R3M	3.3±20%	1V/1M	0.276	0.230	1.15	1.40	1.20	1.45
AWP201610AF-4R7M	4.7±20%	1V/1M	0.396	0.330	1.00	1.20	0.95	1.15

Note:

I_{sat} : Based on inductance change ($\Delta L/L_0 : \leq -30\%$) @ ambient temp. 25°C
 I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$.) Max

5. Packaging Quantity

Chip Size	201610
Chip / Reel	3000

6. Typical Performance Curves

