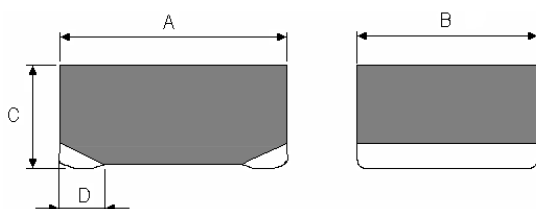


## 1. Features

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

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	1.00±20%	1V/1M	0.084	0.070	2.20	2.50	2.20	2.50
AWP201610AF-1R5M	1.50±20%	1V/1M	0.138	0.115	1.60	1.90	1.65	1.90
AWP201610AF-2R2M	2.20±20%	1V/1M	0.186	0.155	1.50	1.80	1.50	1.60
AWP201610AF-3R3M	3.30±20%	1V/1M	0.276	0.230	1.15	1.40	1.20	1.45
AWP201610AF-4R7M	4.70±20%	1V/1M	0.396	0.330	1.00	1.20	0.95	1.15

Note:

I<sub>sat</sub> : Based on inductance change (ΔL/L0 : ≤-30%) @ ambient temp. 25°C

I<sub>rms</sub> : Based on temperature rise (ΔT : 40°C.) Max

### 5. Typical Performance Curves

