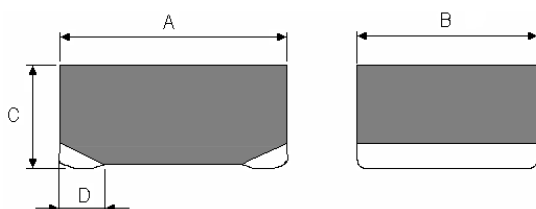


1. Features

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)
252010	2.5±0.2	2.0±0.2	1.0 max.	0.5±0.3

3. Part Numbering

AWP
252010
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.
AWP252010AF-R47M	0.47±20%	1V/1M	0.048	0.040	4.00	4.50	3.20	3.60
AWP252010AF-R68M	0.68±20%	1V/1M	0.070	0.058	3.70	4.00	2.90	3.20
AWP252010AF-1R0M	1.00±20%	1V/1M	0.079	0.066	2.70	3.00	2.50	2.70
AWP252010AF-2R2M	2.20±20%	1V/1M	0.168	0.140	1.90	2.10	1.50	1.80
AWP252010AF-4R7M	4.70±20%	1V/1M	0.324	0.270	1.30	1.50	1.10	1.30

Note:

I_{sat} : Based on inductance change (ΔL/L0 : ≤-30%) @ ambient temp. 25°C

I_{rms} : Based on temperature rise (ΔT : 40°C.) Max

5. Typical Performance Curves

