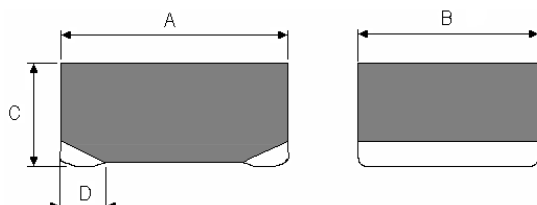


1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating Temperature:-40~+125°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
UF
 -
 1R0
M

A: Series
 B: Dimension
 C: Material
 D: Inductance
 E: Inductance Tolerance

1R0=1.0uH
 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.
AWP252010UF-R24Y	0.24±30%	1V/1M	0.021	0.018	7.5	8.0	4.9	5.1
AWP252010UF-R33M	0.33±20%	1V/1M	0.028	0.023	5.50	6.00	4.00	4.40
AWP252010UF-R47M	0.47±20%	1V/1M	0.032	0.026	5.00	5.50	3.70	4.00
AWP252010UF-R68M	0.68±20%	1V/1M	0.043	0.035	4.30	4.70	3.40	3.70
AWP252010UF-1R0M	1.00±20%	1V/1M	0.064	0.051	3.60	4.00	3.00	3.30
AWP252010UF-1R5M	1.50±20%	1V/1M	0.091	0.076	2.8	3.2	2.3	2.5
AWP252010UF-2R2M	2.20±20%	1V/1M	0.124	0.104	2.4	2.6	1.8	2.1

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

