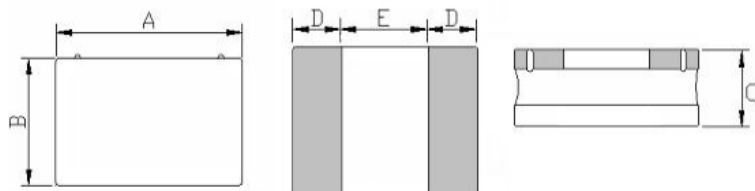


1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. High reliability -Reliability tests comply with AEC-Q200.
4. Operating temperature-55~+125°C (Including self - temperature rise)



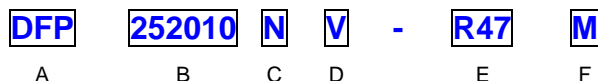
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
DFP252010NV	2.5 -0.1/+0.2	2.0 -0.05/+0.35	1.0Max	0.85 ref.	0.80 ref.

Units: mm

3. Part Numbering



- A: Series
 B: Dimension
 C: Lead Free Material
 D: Category Code V=Vehicle
 E: Inductance R47=0.47uH
 F: Inductance Tolerance M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
DFP252010NV-R24M	0.24	±20%	0.1V/1M	0.030	0.042	4.80	4.30	3.60	3.10
DFP252010NV-R33M	0.33	±20%	0.1V/1M	0.032	0.044	4.30	3.80	3.50	3.00
DFP252010NV-R47M	0.47	±20%	0.1V/1M	0.034	0.046	4.00	3.30	3.40	2.90
DFP252010NV-R56M	0.56	±20%	0.1V/1M	0.045	0.054	3.80	3.00	3.30	2.80
DFP252010NV-R68M	0.68	±20%	0.1V/1M	0.046	0.055	3.70	2.90	3.30	2.80
DFP252010NV-1R0M	1.0	±20%	0.1V/1M	0.060	0.080	3.40	2.70	2.60	2.20
DFP252010NV-1R2M	1.2	±20%	0.1V/1M	0.090	0.108	2.90	2.30	2.30	1.90
DFP252010NV-1R5M	1.5	±20%	0.1V/1M	0.090	0.108	2.70	2.10	2.30	1.90
DFP252010NV-2R2M	2.2	±20%	0.1V/1M	0.130	0.169	2.40	1.90	1.80	1.50

Note:

Isat : Based on inductance change ($\Delta L/L0 : \leq 30\%$) @ ambient temp. 25°CIrms : Based on temperature rise ($\Delta T : 40^\circ\text{C}$.) Max

