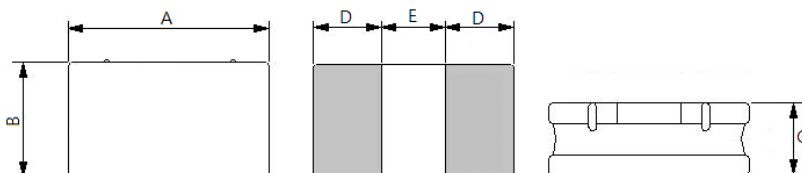


1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. High reliability -Reliability test meet AEC-Q200
4. Operating temperature-40~+125°C (Including self - temperature rise)



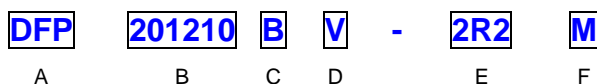
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
DFP201210BV	2.0 ± 0.2	1.2 ± 0.2	1.0Max	0.50 ref.	1.00 ref.

Units: mm

3. Part Numbering



A: Series

B: Dimension

C: Lead Free

D: Category Code

E: Inductance

F: Inductance Tolerance

Material

V=Vehicle

2R2=2.2uH

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
DFP201210BV-R24M	0.24	±20	1V/1M	0.025	0.030	3.00	2.50	3.20	2.70
DFP201210BV-R33M	0.33	±20	1V/1M	0.035	0.042	2.40-	2.00	2.50	2.20
DFP201210BV-R47M	0.47	±20	1V/1M	0.048	0.058	1.90	1.60	2.00	1.70
DFP201210BV-R68M	0.68	±20	1V/1M	0.065	0.078	1.60	1.30	1.70	1.40
DFP201210BV-1R0M	1.0	±20	1V/1M	0.080	0.096	1.30	1.10	1.40	1.20
DFP201210BV-1R5M	1.5	±20	1V/1M	0.110	0.130	1.05	0.95	1.10	1.00
DFP201210BV-2R2M	2.2	±20	1V/1M	0.210	0.250	1.00	0.90	0.95	0.90
DFP201210BV-3R3M	3.3	±20	1V/1M	0.330	0.400	0.80	0.70	0.85	0.75
DFP201210BV-4R7M	4.7	±20	1V/1M	0.440	0.530	0.60	0.55	0.70	0.60
DFP201210BV-6R8M	6.8	±20	1V/1M	0.680	0.800	0.55	0.50	0.50	0.40
DFP201210BV-100M	10.0	±20	1V/1M	1.200	1.440	0.45	0.40	0.40	0.30

Note:

Isat : Based on inductance change ($\Delta L/L0 : \leq 30\%$) @ ambient temp. 25°C

Irms : Based on temperature rise ($\Delta T : 40^\circ\text{C}.$) Max

Measurement board data

Irms

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 30 mm (Double side board)

Pattern thickness : 50 μm

