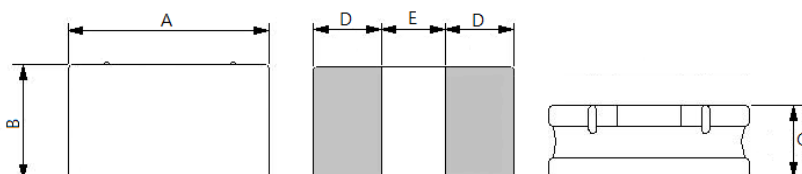


1. Features

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-55~+125°C (Including self - temperature rise)



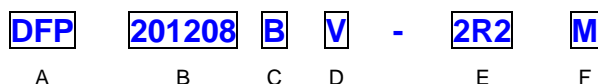
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
DFP201208BV	2.0 ± 0.2	1.2 ± 0.2	0.80Max	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%

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
DFP201208BV-R24M	0.24	±20	1V/1M	0.040	0.048	2.30	2.00	2.50	2.20
DFP201208BV-R47M	0.47	±20	1V/1M	0.050	0.060	1.80	1.50	2.00	1.70
DFP201208BV-R68M	0.68	±20	1V/1M	0.070	0.084	1.30	1.10	1.50	1.20
DFP201208BV-1R0M	1.0	±20	1V/1M	0.125	0.150	1.00	0.85	1.10	1.00
DFP201208BV-1R5M	1.5	±20	1V/1M	0.200	0.240	0.90	0.80	1.00	0.90
DFP201208BV-2R2M	2.2	±20	1V/1M	0.300	0.360	0.70	0.60	0.80	0.70
DFP201208BV-3R3M	3.3	±20	1V/1M	0.380	0.450	0.65	0.55	0.70	0.65
DFP201208BV-4R7M	4.7	±20	1V/1M	0.550	0.660	0.50	0.45	0.60	0.55
DFP201208BV-6R8M	6.8	±20	1V/1M	0.800	0.960	0.45	0.40	0.50	0.40
DFP201208BV-100M	10.0	±20	1V/1M	1.100	0.130	0.35	0.30	0.40	0.35

Note:

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

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

