

Power Inductor

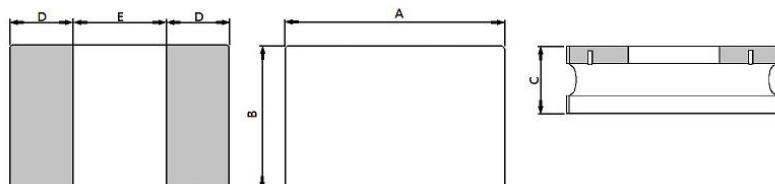
DFP322512BF-SERIES

1. Features

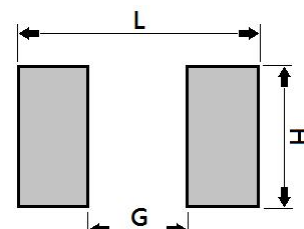
1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating temperature :-40~+125℃ (Including self - temperature rise)



2. Dimension



Recommended Land pattern



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
DFP322512BF	3.2 ± 0.2	2.5 ± 0.2	1.2Max	1.0±0.2	1.3±0.2

L(mm)	G(mm)	H(mm)
4.0	1.2	2.5

3. Part Numbering

DFP	322512	BF	-	1R0	M
A	B	C		D	E

- A: Series
 B: Dimension
 C: Lead Free Material
 D: Inductance 1R0=1.0uH
 E: Inductance Tolerance K=±10%, L=±15%, M=±20%, Y=±30%.

4. Specification

TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			typ	Max	typ	Max	typ	Max
DFP322512BF-R47M	0.47	1V/1M	0.025	0.030	5.50	5.00	4.20	3.70
DFP322512BF-R68M	0.68	1V/1M	0.032	0.038	4.80	4.30	4.00	3.50
DFP322512BF-1R0M	1.00	1V/1M	0.034	0.045	4.60	3.70	3.70	3.10
DFP322512BF-1R5M	1.50	1V/1M	0.052	0.063	3.30	3.00	2.90	2.60
DFP322512BF-2R2M	2.20	1V/1M	0.077	0.092	2.80	2.50	2.40	2.10
DFP322512BF-3R3M	3.30	1V/1M	0.105	0.126	2.30	2.00	2.10	1.80
DFP322512BF-4R7M	4.70	1V/1M	0.160	0.190	2.00	1.80	1.60	1.40
DFP322512BF-6R8M	6.80	1V/1M	0.230	0.276	1.60	1.40	1.40	1.20
DFP322512BF-100M	10.0	1V/1M	0.350	0.420	1.30	1.20	1.00	0.90

Note:

Isat : Saturation Current (Isat) will cause L0 to drop approximately 30%.

10. Typical Performance Curves

