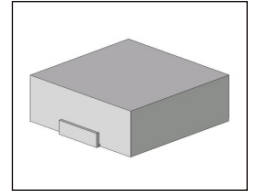


SMT Power Inductor (MOLDING TYPE)

MPT133M1 Type

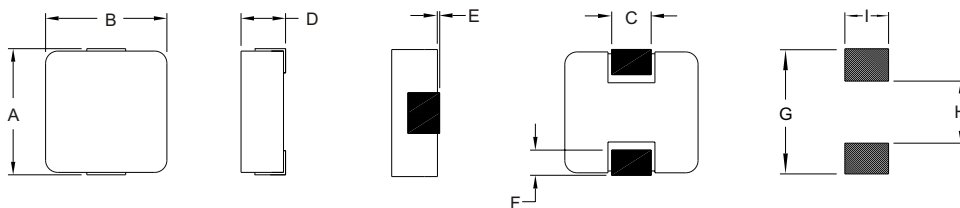
Features

- RoHS compliant.
- Low profile , high current SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.



Mechanical Dimension:

RECOMMENDED PAD PATTERNS



UNIT : mm/inch
A = 13.80 / 0.543 Max.
B = 12.80 / 0.504 Max.
D = 3.50 / 0.138 Max.
E = 0~0.15 / 0~0.006
F = 2.00±0.50 / 0.079±0.020
G = 14.50 / 0.571
H = 8.00 / 0.314
I = 5.00 / 0.197

Electrical Characteristics: 25°C: 100KHz, 0.25V

PART NO.	L0 (uH)	DCR (mΩ) TYP.	DCR (mΩ) MAX.	Isat ² (Adc)	I _r ³ (Adc)	Dimension "C" mm / inch MAX
MPT133 - R22M1	0.22	1.1	1.3	65.0	38.0	4.00 / 0.157
MPT133 - R47M1	0.47	1.7	2.0	55.0	32.0	4.00 / 0.157
MPT133 - R56M1	0.56	1.8	2.2	51.0	29.0	4.00 / 0.157
MPT133 - R68M1	0.68	2.3	2.5	49.0	28.0	4.00 / 0.157
MPT133 - 1R0M1	1.00	3.3	3.5	40.0	24.0	3.00 / 0.118
MPT133 - 2R2M1	2.20	7.2	8.0	29.0	16.0	3.00 / 0.118
MPT133 - 3R3M1	3.00	10.0	12.0	27.0	12.0	3.00 / 0.118

1. All test data is referenced to 25°C ambient.
2. Isat is the DC current which cause the inductance drop 30% typical of its nominal inductance without current.
3. I_r is the DC current which cause the surface temperature of the part increase less than 40°C.
4. Operating temperature range : -55°C to 125°C.



DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEISAN INDUSTRIAL ZONE, TAOYUAN SHIEN, 333, TAIWAN, R.O.C.
TEL: 886-3-3591968; FAX: 886-3-3591991
<http://www.deltawww.com>