High Current Power Inductor - SER1360 Series

Meisongbei



Features

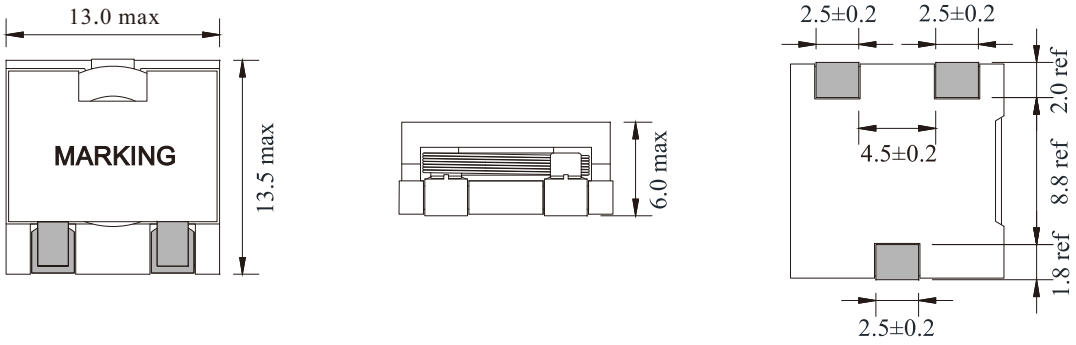
- Magnetic shielding structure, excellent resistance to electro magnetic interference
- Assemblage design, sturdy structure.
- Small volume, high current, low magnetic loss, low ESR, small parasitic capacitance.
- Low power loss, suitable for applications of wide temperature and frequency range.

General Specifications

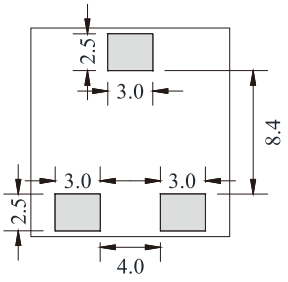
- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C

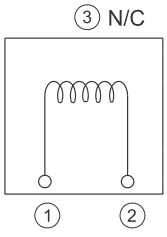
RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Shape and Dimensions (Unit:mm)



Recommended Layout





Schematic

Electrical Characteristics For SER1360 Series @ 25°C

Part Number	Inductance (μH) @100KHz, 0.1V	DCR (mΩ) Typ.	DCR (mΩ) Max.	Isat (A) Typ. L 30% drop	Irms (A) Typ. 40°C rise
SER1360-1R0M	1.0 ±20%	2.3	2.6	33.5	13.0
SER1360-2R2M	2.2 ±20%	2.3	2.6	18.0	13.0
SER1360-2R7M	2.7 ±20%	2.3	2.6	14.0	13.0
SER1360-3R3M	3.3 ±20%	5.5	6.0	13.5	9.4
SER1360-4R7M	4.7 ±20%	5.5	6.0	12.0	9.4
SER1360-6R8M	6.8 ±20%	5.5	6.0	9.5	9.4
SER1360-8R2M	8.2 ±20%	9.8	10.8	9.0	7.6
SER1360-100K	10 ±10%	9.8	10.8	7.5	7.6

Saturation Current vs Temperature Rise Current Curve

