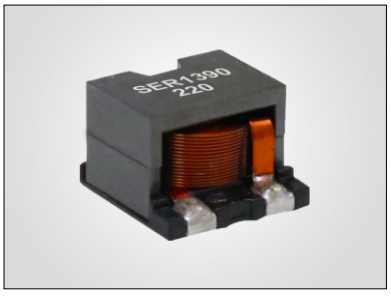
High Current Power Inductor - SER1390 Series

Meisongbei



Features

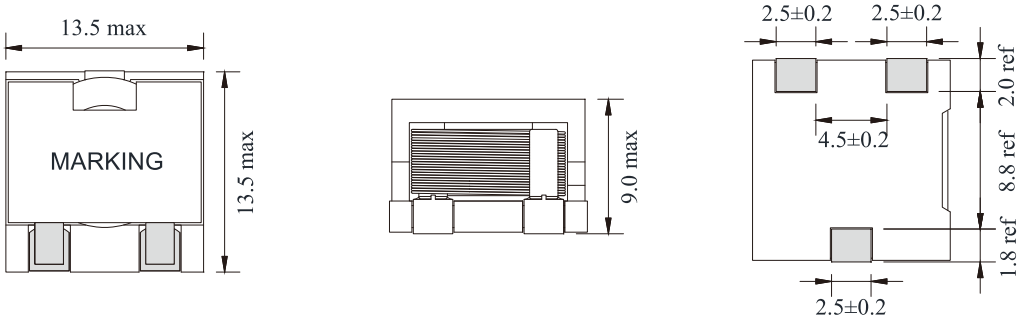
- Magnetic shielding structure, excellent resistance to electro magnetic interference
- Assemblage design, sturdy structure.
- Small volume, high current, low magnetic loss, low ESR, small parasitic capacitance.
- Low power loss, suitable for applications of wide temperature and frequency range.

General Specifications

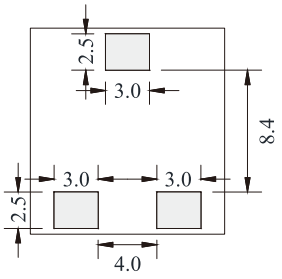
- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C

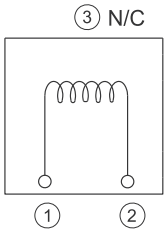
RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

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
SER1390-100K	10 ±10%	14	15.0	13.2	9.2
SER1390-150K	15 ±10%	14	15.0	8.7	9.2
SER1390-220K	22 ±10%	21	23.0	7.4	7.7
SER1390-330K	33 ±10%	21	23.0	4.8	7.7
SER1390-470K	47 ±10%	21	23.0	3.2	7.7

Saturation Current vs Temperature Rise Current Curve

