Power Bead Inductors - MHC1390 Series

Meisongbei



Features

- Soldered construction for low radiation
- High performance (Isat) with low noise

Package

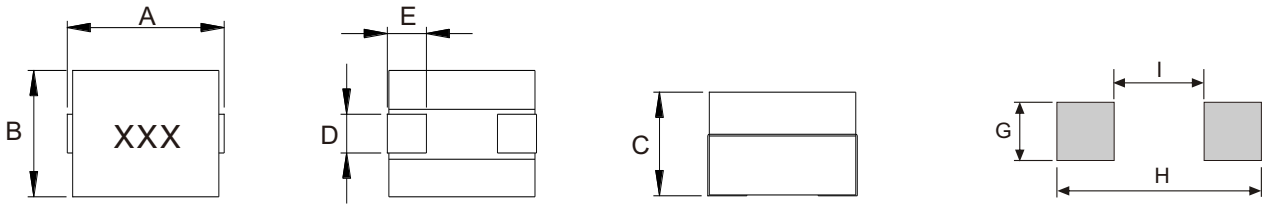
- 300PCS/Reel

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E	G	I	H
MHC1390	14.0 ± 0.5	12.8 ± 0.5	9.0 ± 0.5	3.0 ± 0.2	2.3 ± 0.5	3.50	9.00	14.50

Electrical Characteristics For MHC1390 Series

Part Number	Inductance [nH]	DCR [mΩ]	Isat@25°C (typ.) [A]	Isat@125°C (typ.) [A]	Irms(typ.) [A]
MHC1390-R23M	230 ±20%	0.30 ±7%	60 min		45
MHC1390-R30M	300 ±20%	0.30 ±7%	60 min		45
MHC1390-R32M	320 ±20%	0.30 ±7%	60	48	45
MHC1390-R45M	450 ±20%	0.30 ±7%	43	32	45

- Inductance tested at 100kHz, 1Vrms
- Heat Rating Current (Irms): Current that cause the temperature 40°C
- Saturation Current (Isat): DC current at which the inductance drops 20% from its value without current
- All test data is referenced to 25°C ambient. 2-Isat Saturation current test data is referenced to 125°C