Power Bead Inductors - MHC1050 Series

Meisongbei



Features

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

Package

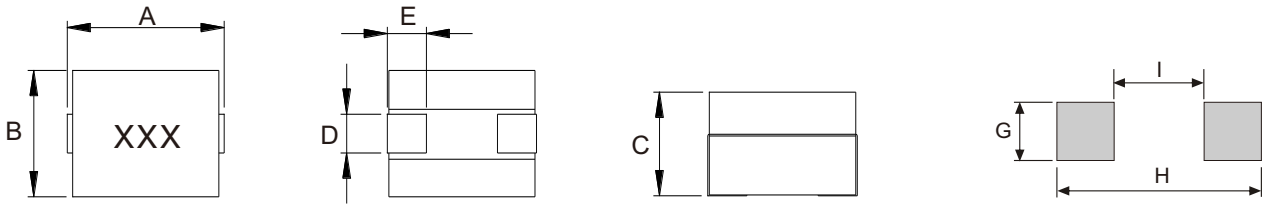
- 1000PCS/Reel

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
MHC1050	10.0 Max	7.0 Max	5.0 Max	2.7 ± 0.2	1.2 ± 0.2	3.50	5.50	10.50

Electrical Characteristics For MHC1050 Series

Part Number	Inductance [nH]	DCR [mΩ]	1-Isat@25°C (typ.) [A]	2-Isat@100°C (typ.) [A]	Irms(typ.) [A]
MHC1050-R12M	120 ±20%	0.34 ±10%	52	45	40
MHC1050-R15M	150 ±20%	0.34 ±10%	45	33	40
MHC1050-R17M	170 ±20%	0.34 ±10%	40		40
MHC1050-R20M	200 ±20%	0.34 ±10%	35	25	40
MHC1050-R22M	220 ±20%	0.34 ±10%	30	26	40

- 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 100°C