Power Bead Inductors - MHC110707 Series

Meisongbei



Features

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

Package

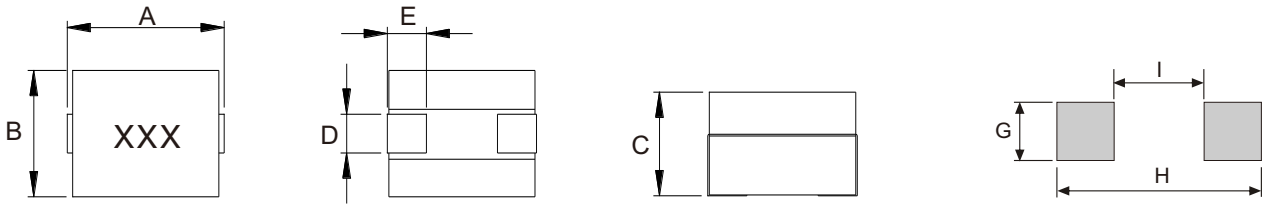
- 500PCS/Reel

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
MHC110707	10.2 Max	7.6 Max	7.2 Max	1.9 ± 0.2	3.2 ± 0.5	2.50	4.50	12.00

Electrical Characteristics For MHC110707 Series

Part Number	Inductance [nH]	DCR [mΩ]	1-Isat@25°C (typ.) [A]	2-Isat@125°C (typ.) [A]	Irms(typ.) [A]
MHC110707-R15L	150 ±15%	0.29 ±7%	65	50	44
MHC110707-R18L	180 ±15%	0.29 ±7%	58	40	44
MHC110707-R22L	220 ±15%	0.29 ±7%	45	35	44
MHC110707-R30L	300 ±15%	0.29 ±7%	30	23	44
MHC110707-R40L	400 ±15%	0.29 ±7%	23	16	44
MHC110707-R50M	500 ±20%	0.29 ±7%	15	10	44

- 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