Power Bead Inductors - MHC1190 Series

Meisongbei



Features

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

Package

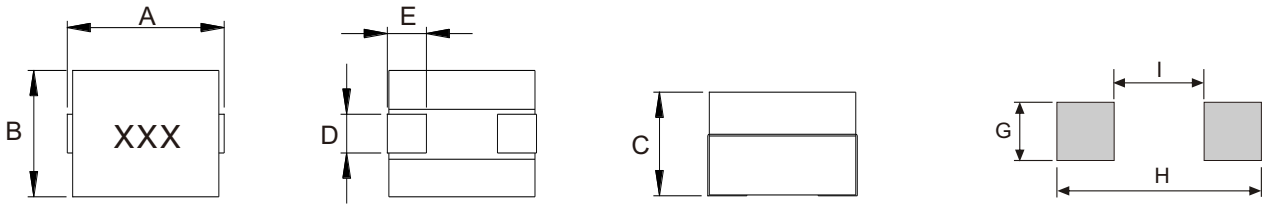
- 300PCS/Reel

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
MHC1190	11.3 ± 0.5	11.0 ± 0.5	9.0 ± 0.5	2.2 ± 0.2	3.2 ± 0.5	2.70	4.20	12.10

Electrical Characteristics For MHC1190 Series

Part Number	Inductance [nH]	DCR [mΩ]	1-Isat@25°C (typ.) [A]	2-Isat@125°C (typ.) [A]	Irms(typ.) [A]
MHC1190-R15L	150 ±15%	0.30 ± 7%	80		40
MHC1190-R23M	230 ±20%	0.30 ± 7%	60	50	40
MHC1190-R25M	250 ±20%	0.30 ± 7%	60	45	40
MHC1190-R30M	300 ±20%	0.30 ± 7%	50	43	40
MHC1190-R32M	320 ±20%	0.30 ± 7%	45	38	40
MHC1190-R38M	380 ±20%	0.30 ± 7%	40	30	40
MHC1190-R46M	460 ±20%	0.30 ± 7%	32	22	40
MHC1190-R54M	540 ±20%	0.30 ± 7%	26	18	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