Power Bead Inductors - MHC100705 Series

Meisongbei



Features

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

Package

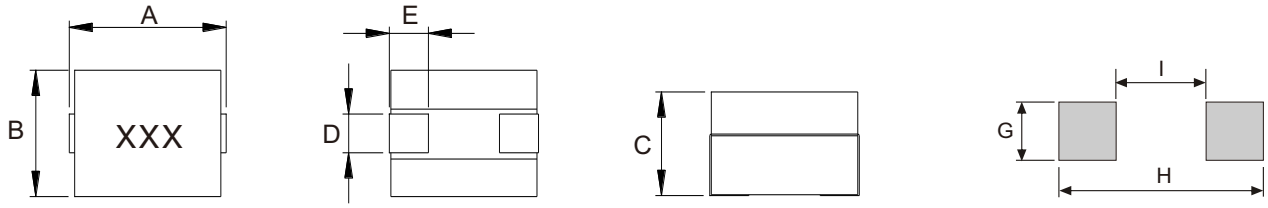
- 1000PCS/Reel

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
MHC100705-D32	10.2 Max	7.0 Max	5.0 ± 0.3	2.5 Ref	1.52 Ref	3.05	6.35	10.35
MHC100705-D29	10.2 Max	7.0 Max	5.0 ± 0.3	2.7 Ref	1.2 Ref	3.50	5.50	10.50

Electrical Characteristics For MHC100705-D32 Series

Part Number	Inductance [nH]	DCR [mΩ]	1-Isat@25°C (typ.) [A]	2-Isat@100°C (typ.) [A]	Irms(typ.) [A]
MHC100705-72NL-D32	72 ±15%	0.325 ±7%	80	70	31
MHC100705-R10L-D32	100 ±15%	0.325 ±7%	70	60	31
MHC100705-R12L-D32	120 ±15%	0.325 ±7%	65	50	31
MHC100705-R15L-D32	150 ±15%	0.325 ±7%	45	35	31
MHC100705-R20L-D32	200 ±15%	0.325 ±7%	33	25	31
MHC100705-R22L-D32	220 ±15%	0.325 ±7%	30	24	31
MHC100705-R30L-D32	300 ±15%	0.325 ±7%	19	12	31

Electrical Characteristics For MHC100705-D29 Series

Part Number	Inductance [nH]	DCR [mΩ]	Isat(typ.) [A]	Irms(typ.) [A]
MHC100705-R10L-D29	100 ±15%	0.29 ±7%	70	40
MHC100705-R12L-D29	120 ±15%	0.29 ±7%	52	40
MHC100705-R15L-D29	150 ±15%	0.29 ±7%	40	40
MHC100705-R20L-D29	200 ±15%	0.29 ±7%	28	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