Power Bead Inductors - MHC1075-D47 Series

Meisongbei



Features

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

Package

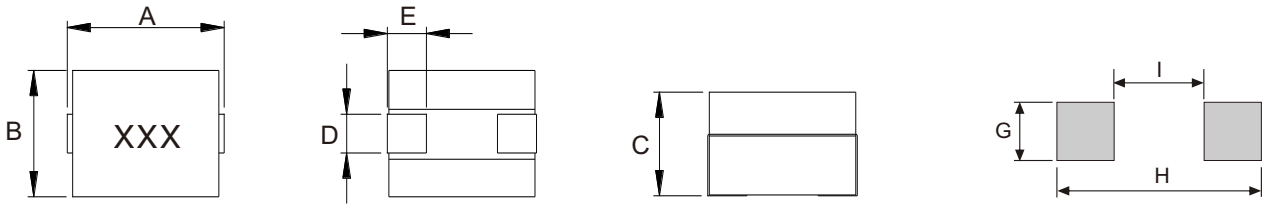
- 640PCS/Reel

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
MHC1075-D47	11.0 Max	7.0 ± 0.5	7.0 ± 0.5	1.6 ± 0.3	2.6 ± 0.5	2.60	4.00	11.20

Electrical Characteristics For MHC1075-D47 Series

Part Number	Inductance [nH]	DCR [mΩ]	1-Isat@25°C (typ.) [A]	2-Isat@100°C (typ.) [A]	Irms(typ.) [A]
MHC1075-R12K-D47	120 ±10%	0.47 ±10%	90	72	40
MHC1075-R15L-D47	150 ±15%	0.47 ±10%	70	56	40
MHC1075-R20L-D47	200 ±15%	0.47 ±10%	50	44	40
MHC1075-R22L-D47	220 ±15%	0.47 ±10%	47	41	40
MHC1075-R23L-D47	230 ±15%	0.47 ±10%	45	36	40
MHC1075-R30L-D47	300 ±15%	0.47 ±10%	35	28	40
MHC1075-R40M-D47	400 ±20%	0.47 ±10%	25	20	40
MHC1075-R51M-D47	510 ±20%	0.47 ±10%	18	14.5	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