



Features

- Soldered construction for low radiation
- High performance (I_{sat}) with low noise

Package

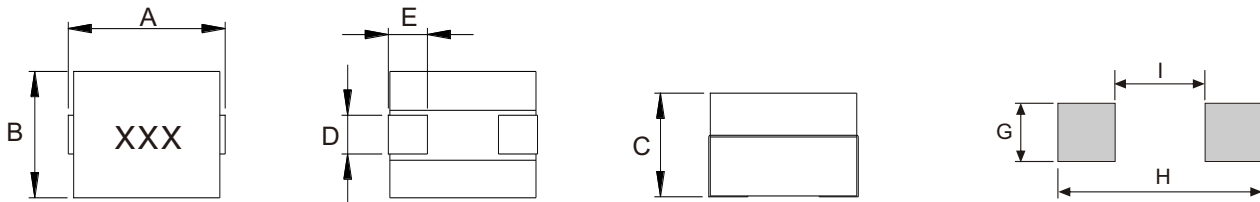
- 300PCS/Reel

General Specifications

- Storage temp range: -40°C to $+125^{\circ}\text{C}$
- Operating temp range: -40°C to $+125^{\circ}\text{C}$
- Moisture Sensitivity Level(MSL): 1



► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E	G	I	H
MHC1390	14.0 ± 0.5	12.8 ± 0.5	9.0 ± 0.5	3.0 ± 0.2	2.3 ± 0.5	3.50	9.00	14.50

► Electrical Characteristics For MHC1390 Series

Part Number	Inductance [nH]	DCR [mΩ]	$I_{sat}@25^{\circ}\text{C}$ (typ.) [A]	$I_{sat}@125^{\circ}\text{C}$ (typ.) [A]	$I_{rms}(\text{typ.})$ [A]
MHC1390-R23M	$230 \pm 20\%$	$0.30 \pm 7\%$	60 min		45
MHC1390-R30M	$300 \pm 20\%$	$0.30 \pm 7\%$	60 min		45
MHC1390-R32M	$320 \pm 20\%$	$0.30 \pm 7\%$	60	48	45
MHC1390-R45M	$450 \pm 20\%$	$0.30 \pm 7\%$	43	32	45

- Inductance tested at 100kHz, 1Vrms
- Heat Rating Current (I_{rms}): Current that cause the temperature 40°C
- Saturation Current (I_{sat}): DC current at which the inductance drops 20% from its value without current
- All test data is referenced to 25°C ambient. 2- I_{sat} Saturation current test data is referenced to 125°C