



Features

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

Package

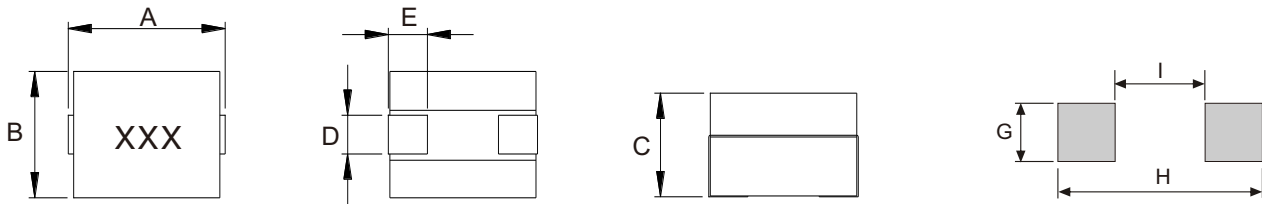
- 450PCS/Reel

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
MHC1380	13.46 Max	12.95 Max	8.5/8.0 Max	5.0 ± 0.3	2.54 ± 0.3	7.62	7.11	13.47

► Electrical Characteristics For MHC1380 Series

Part Number	Inductance [nH]	DCR [$\text{m}\Omega$]	$I_{sat}@25^{\circ}\text{C}$ (typ.) [A]	$I_{sat}@125^{\circ}\text{C}$ (typ.) [A]	$I_{rms}(\text{typ.})$ [A]	C [mm]
MHC1380-R11K	$110 \pm 10\%$	$0.32 \pm 9.4\%$	120	105	45	8.5
MHC1380-R21L	$210 \pm 15\%$	$0.32 \pm 9.4\%$	70	55	45	8.3
MHC1380-R26L	$260 \pm 15\%$	$0.32 \pm 9.4\%$	60	45	45	8.2
MHC1380-R32L	$320 \pm 15\%$	$0.32 \pm 9.4\%$	50	35	45	8.0
MHC1380-R44L	$440 \pm 15\%$	$0.32 \pm 9.4\%$	35	25	45	8.0
MHC1380-R50L	$500 \pm 15\%$	$0.32 \pm 9.4\%$	28	23	45	8.0

- 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