



### Features

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

### Package

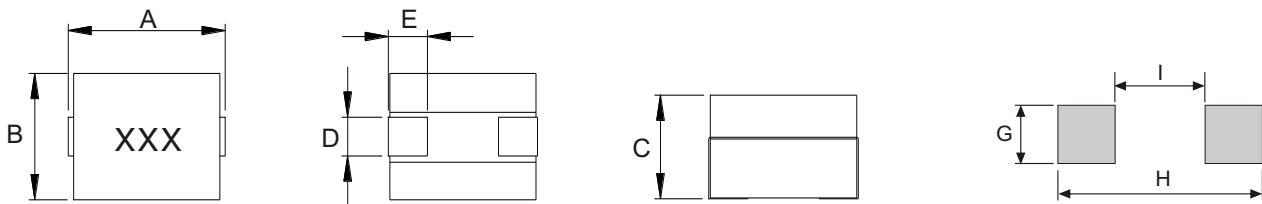
- 800PCS/Reel

### General Specifications

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



## ► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E	G	I	H
MHC150705	$14.7 \pm 0.3$	$6.7 \pm 0.3$	5.0 Max	2.8 Ref	2.0 Ref	4.50	10.00	2.50

## ► Electrical Characteristics For MHC150705 Series

Part Number	Inductance [nH]	DCR [mΩ]	$I_{sat}@25^{\circ}\text{C}$ (typ.) [A]	$I_{sat}@125^{\circ}\text{C}$ (typ.) [A]	$I_{rms}$ (typ.) [A]
MHC150705-R10L	$100 \pm 15\%$	$0.47 \pm 7\%$	105	80	53
MHC150705-R12L	$120 \pm 15\%$	$0.47 \pm 7\%$	87	75	53
MHC150705-R15L	$150 \pm 15\%$	$0.47 \pm 7\%$	72	60	53

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