



### Features

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

### Package

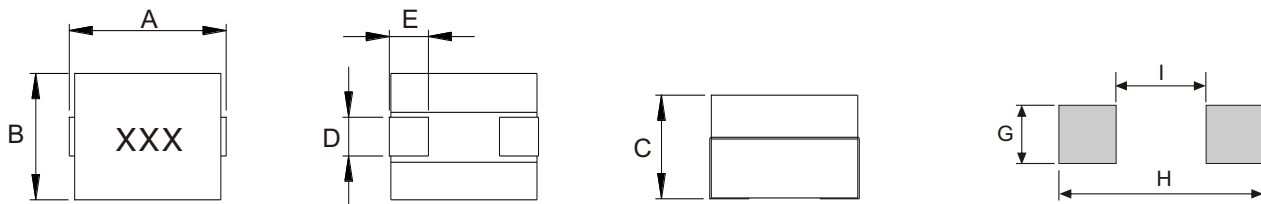
- 1200PCS/Reel

### 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
MHC130704	$13.3 \pm 0.5$	$7.5 \pm 0.5$	4.2 Max	4.1 typ	2.5 typ	4.60	7.80	13.50

## ► Electrical Characteristics For MHC130704 Series

Part Number	Inductance [nH]	DCR [ $\text{m}\Omega$ ]	$I_{sat}(\text{typ.})$ [A]	$I_{rms}(\text{typ.})$ [A]
MHC130704-R10M	$100 \pm 20\%$	$0.225 \pm 10\%$	60	45
MHC130704-R12M	$120 \pm 20\%$	$0.225 \pm 10\%$	53	45
MHC130704-R15M	$150 \pm 20\%$	$0.225 \pm 10\%$	40	45
MHC130704-R22M	$220 \pm 20\%$	$0.225 \pm 10\%$	30	45
MHC130704-R30M	$300 \pm 20\%$	$0.225 \pm 10\%$	18	45
MHC130704-R47M	$470 \pm 20\%$	$0.225 \pm 10\%$	12	45

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