



### Features

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

### Package

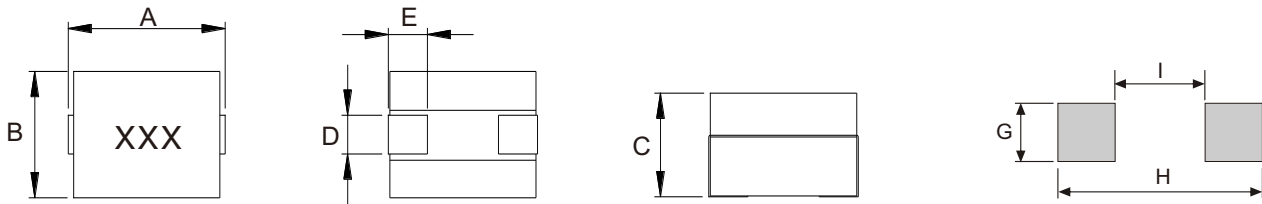
- 1300PCS/Reel

### 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
MHC6030	7.2 Max	6.7 Max	3.0 Max	$3.0 \pm 0.2$	1.0 Min	4.50	2.50	7.50

## ► Electrical Characteristics For MHC6030 Series

Part Number	Inductance [nH]	DCR [mΩ]	$I_{sat}(typ.)$ [A]	$I_{rms}(typ.)$ [A]
MHC6030-47NM	$47 \pm 20\%$	0.24 typ	42	39
MHC6030-64NM	$64 \pm 20\%$	0.24 typ	32	39

- 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