



### Features

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

### Package

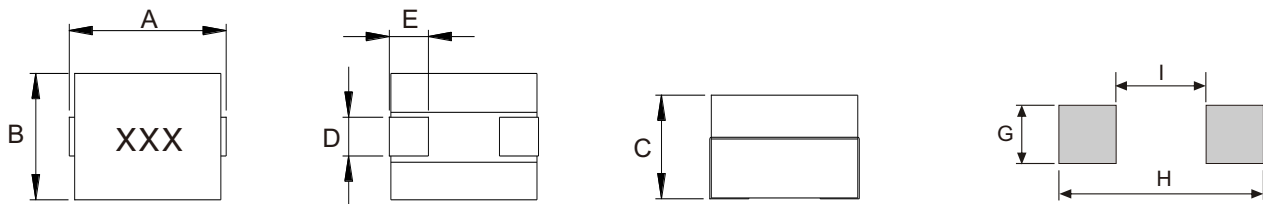
- 800PCS/Reel

### 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
MHC100865	10.41 Max	8.0 Max	6.5 Max	$2.3 \pm 0.2$	$2.54 \pm 0.3$	2.79	4.32	10.42

## ► Electrical Characteristics For MHC100865 Series

Part Number	Inductance [nH]	DCR [ $\text{m}\Omega$ ]	$I_{sat}(\text{typ.})$ [A]	$I_{rms}(\text{typ.})$ [A]
MHC100865-R12L	$120 \pm 15\%$	$0.48 \pm 8\%$	74	40
MHC100865-R14L	$140 \pm 15\%$	$0.48 \pm 8\%$	66	40
MHC100865-R15L	$150 \pm 15\%$	$0.48 \pm 8\%$	63	40
MHC100865-R17L	$170 \pm 15\%$	$0.48 \pm 8\%$	55	40
MHC100865-R22L	$220 \pm 15\%$	$0.48 \pm 8\%$	43	40
MHC100865-R30L	$300 \pm 15\%$	$0.48 \pm 8\%$	30	40

- 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