



Features

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

Package

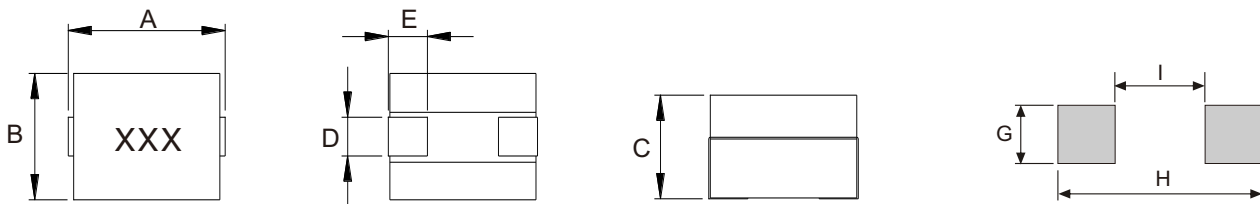
- 500PCS/Reel

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
MHC1070-D47	10.1 ± 0.5	7.0 ± 0.5	7.0 ± 0.5	1.6 ± 0.2	2.6 ± 0.3	2.60	4.00	11.20

► Electrical Characteristics For MHC1070-D47 Series

Part Number	Inductance [nH]	DCR [$m\Omega$]	$I_{sat}(typ.)$ [A]	$I_{rms}(typ.)$ [A]
MHC1070-R10M-D47	$100 \pm 20\%$	$0.47 \pm 7\%$	60 Min	27
MHC1070-R12M-D47	$120 \pm 20\%$	$0.47 \pm 7\%$	60 Min	27
MHC1070-R15M-D47	$150 \pm 20\%$	$0.47 \pm 7\%$	58	27
MHC1070-R20M-D47	$200 \pm 20\%$	$0.47 \pm 7\%$	48	27
MHC1070-R25M-D47	$250 \pm 20\%$	$0.47 \pm 7\%$	44	27
MHC1070-R30M-D47	$300 \pm 20\%$	$0.47 \pm 7\%$	33	27
MHC1070-R33M-D47	$330 \pm 20\%$	$0.47 \pm 7\%$	30	27
MHC1070-R40M-D47	$400 \pm 20\%$	$0.47 \pm 7\%$	22	27

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