

Power Bead Inductors - MHC1070-D29/D70 Series *Meisongbei*



Features

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

Package

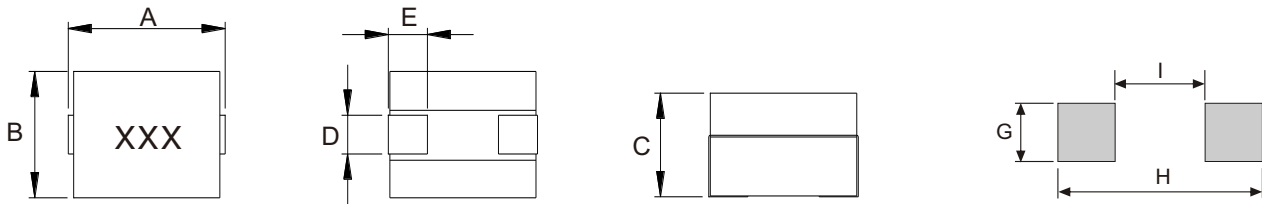
- 500PCS/Reel

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-D29	11.0 Max	7.5 Max	7.0 Max	1.7 ± 0.2	2.7 ± 0.5	2.60	4.00	11.20
MHC1070-D70	10.4 Max	7.4 Max	7.0 Max	1.7 Ref	2.5 Ref	2.60	4.00	11.20

► Electrical Characteristics For MHC1070-D29/D70 Series

Part Number	Inductance [nH]	DCR [mΩ]	$I_{sat}(typ.)$ [A]	$I_{rms}(typ.)$ [A]
MHC1070-R12L-D29	$120 \pm 15\%$	$0.29 \pm 5\%$	75	55
MHC1070-R15L-D29	$150 \pm 15\%$	$0.29 \pm 5\%$	65	55
MHC1070-R18L-D29	$180 \pm 15\%$	$0.29 \pm 5\%$	50	55
MHC1070-R20L-D29	$200 \pm 15\%$	$0.29 \pm 5\%$	45	55
MHC1070-R23L-D29	$230 \pm 15\%$	$0.29 \pm 5\%$	38	55
MHC1070-R30L-D29	$330 \pm 15\%$	$0.29 \pm 5\%$	30	55
MHC1070-R15L-D70	$150 \pm 15\%$	$0.70 \pm 7\%$	65	23
MHC1070-R30L-D70	$300 \pm 15\%$	$0.70 \pm 7\%$	30	23
MHC1070-R37L-D70	$370 \pm 15\%$	$0.70 \pm 7\%$	25	23

- 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