

# CMI-MPLD7050N1-SERIES



## Features

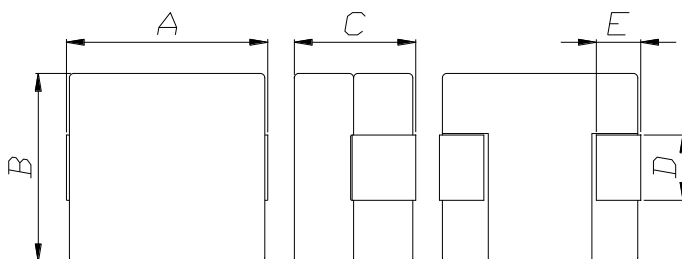
- ▶ High current and low profile.
- ▶ Ferrite Core type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

## Applications

- ▶ For DC/DC Converter, AV equipment digital consumer electronics.

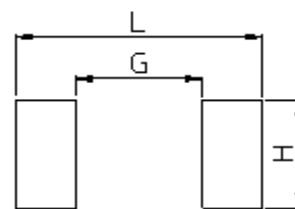


Dimension (Unit:mm)



A	B	C	D	E
7.0 Max.	7.0 Max.	4.95 Max	2.45±0.2	1.52±0.2

Land Pattern (Unit:mm)



L	G	H
7.35	3.35	3.10

## Specifications

Part Number	Inductance (nH) ±10%	DCR(mohm) ±8%	Isat 1 (A) (at 25°C)	Isat 2 (A) (at 125°C)	I <sub>rms</sub> (A) Max.
CMI-MPLD7050N1-R07K	72	0.25	64	50	43
CMI-MPLD7050N1-R10K	105	0.25	44	34	43
CMI-MPLD7050N1-R12K	120	0.25	37	30	43
CMI-MPLD7050N1-R15K	150	0.25	30	24	43
CMI-MPLD7050N1-R18K	180	0.25	25	20	43
CMI-MPLD7050N1-R22K	226	0.25	20	16	43

Part Number	Inductance (nH) ±10%	DCR(mohm) ±7%	Isat 1 (A) (at 25°C)	Isat 2 (A) (at 125°C)	I <sub>rms</sub> (A) Max.
CMI-MPLD7050N1-R07K	72	0.32	65	50	38
CMI-MPLD7050N1-R10K	105	0.32	44	34	38
CMI-MPLD7050N1-R12K	120	0.32	37	30	38
CMI-MPLD7050N1-R15K	150	0.32	30	24	38
CMI-MPLD7050N1-R18K	180	0.32	25	20	38
CMI-MPLD7050N1-R22K	226	0.32	20	16	38

• You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)

- All specifications are subject to change without notice.
- Update date : 2019.09.04

Part Number	Inductance (nH) $\pm 10\%$	DCR(mohm) $\pm 6\%$	Isat 1 (A) (at 25 °C)	Isat 2 (A) (at 125 °C)	Irms(A) Max.
CMI-MPLD7050N1-R07K	72	0.46	65	50	32
CMI-MPLD7050N1-R10K	105	0.46	44	34	32
CMI-MPLD7050N1-R12K	120	0.46	37	30	32
CMI-MPLD7050N1-R15K	150	0.46	30	24	32
CMI-MPLD7050N1-R18K	180	0.46	25	20	32
CMI-MPLD7050N1-R22K	226	0.46	20	16	32

- Test Condition : 100kHz, 0.1Vrms
- Isat 1: Peak current for approximately 25% roll off at +25 °c
- Isat 2: Peak current for approximately 25% roll off at +125 °c
- I rms: DC current for an approximate temperature rise of 40 °c without core loss
- Operating Temperature Range(including self temperature) : -40°c ~ +125 °c
- Storage Condition : 5 °c~+40 °c, 30%~70%RH

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