

# CMI-MPLD10050N1-SERIES



## Features

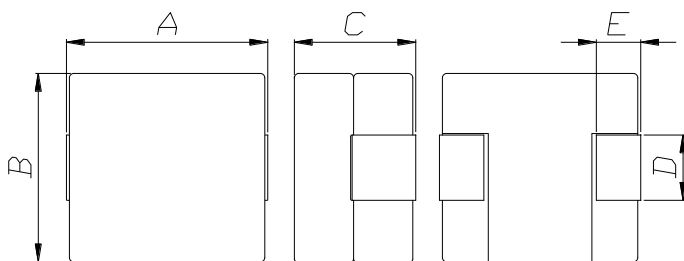
- ▶ High current and low profile.
- ▶ Ferrite Core type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

## Applications

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

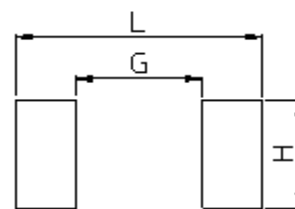


Dimension (Unit:mm)



A	B	C	D	E
10.2 Max.	7.0 Max.	4.95 Max	2.50±0.2	1.52±0.2

Land Pattern (Unit:mm)



L	G	H
10.35	6.35	3.10

## Specifications

Part Number	Inductance (nH) ±10%	DCR(mohm) ±7.5%	Isat 1 (A) (at 25°C)	Isat 2 (A) (at 125°C)	Irms(A) Max.
CMI-MPLD10050N1-R08K	80	0.39	90	64	53
CMI-MPLD10050N1-R10K	100	0.39	73	57	53
CMI-MPLD10050N1-R12K	120	0.39	60	48	53
CMI-MPLD10050N1-R15K	150	0.39	47	37	53
CMI-MPLD10050N1-R22K	220	0.39	33	26	53

Part Number	Inductance (nH) ±10%	DCR(mohm) ±6.5%	Isat 1 (A) (at 25°C)	Isat 2 (A) (at 125°C)	Irms(A) Max.
CMI-MPLD10050N1-R08K	80	0.47	90	64	50
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CMI-MPLD10050N1-R15K	150	0.47	47	37	50
CMI-MPLD10050N1-R22K	220	0.47	33	26	50

• 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) $\pm 5.4\%$	Isat 1 (A) (at 25 °C)	Isat 2 (A) (at 125 °C)	Irms(A) Max.
CMI-MPLD10050N1-R08K	80	0.55	90	64	50
CMI-MPLD10050N1-R10K	100	0.55	73	57	50
CMI-MPLD10050N1-R12K	120	0.55	60	48	50
CMI-MPLD10050N1-R15K	150	0.55	47	37	50
CMI-MPLD10050N1-R22K	220	0.55	33	26	50

Part Number	Inductance (nH) $\pm 10\%$	DCR(mohm) $\pm 7\%$	Isat 1 (A) (at 25 °C)	Isat 2 (A) (at 125 °C)	Irms(A) Max.
CMI-MPLD10050N1-R08K	80	0.31	90	64	53
CMI-MPLD10050N1-R10K	100	0.31	73	57	53
CMI-MPLD10050N1-R12K	120	0.31	60	48	53
CMI-MPLD10050N1-R15K	150	0.31	47	37	53
CMI-MPLD10050N1-R22K	220	0.31	33	26	53

- 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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