

# CMI-DP7050NH-SERIES-C



## Features

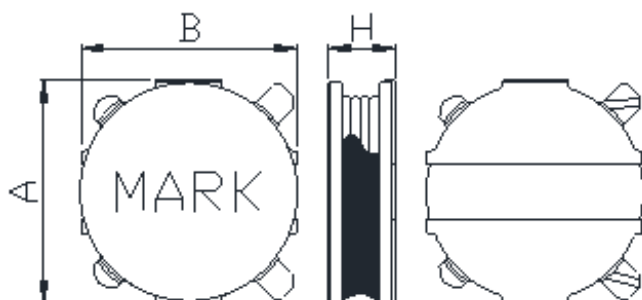
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

## Applications

- ▶ For small DC/DC converter (LCD/LED/OLED display, HDD, DSC etc).
- ▶ For Power supply circuits.

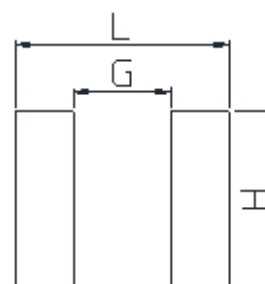


Dimension (Unit:mm)



A	B	H
7.0±0.3	7.0±0.3	5.0Max

Land Pattern (Unit:mm)



L	G	H
7.40	5.00	3.00

## Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DP7050NH-1R5M-C	1.5	20%	16.8(14.0)	10.1(10.6)	8.4(9.1)	100k
CMI-DP7050NH-1R8M-C	1.8	20%	18.0(15.0)	9.0(9.5)	7.9(8.6)	100k
CMI-DP7050NH-2R2M-C	2.2	20%	19.2(16.0)	8.9(9.4)	7.7(8.4)	100k
CMI-DP7050NH-3R3M-C	3.3	20%	24.0(20.0)	7.1(7.5)	6.2(6.8)	100k
CMI-DP7050NH-4R7M-C	4.7	20%	30.0(25.0)	6.2(6.6)	6.1(6.6)	100k
CMI-DP7050NH-6R8M-C	6.8	20%	36.0(30.0)	5.3(5.6)	5.1(5.7)	100k
CMI-DP7050NH-100M-C	10	20%	50.4(42.0)	3.9(4.3)	3.8(4.3)	100k
CMI-DP7050NH-150M-C	15	20%	72.0(60.0)	3.6(3.8)	3.2(3.6)	100k
CMI-DP7050NH-220M-C	22	20%	96.0(80.0)	2.8(3.0)	2.9(3.1)	100k

• 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 : 2015.11.19

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DP7050NH-680M-C	68	20%	264(220)	1.6(1.7)	1.8(1.9)	100k
CMI-DP7050NH-101M-C	100	20%	462(385)	1.3(1.4)	1.4(1.5)	100k
CMI-DP7050NH-221M-C	220	20%	792(660)	0.9(1.0)	1.1(1.2)	100k

- Isat: When based on the inductance change rate (approximately 20% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating temperature range : -40°C ~ +125°C ( Including self-heating)

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application

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