

# CMI-DP4012NH-SERIES



## Features

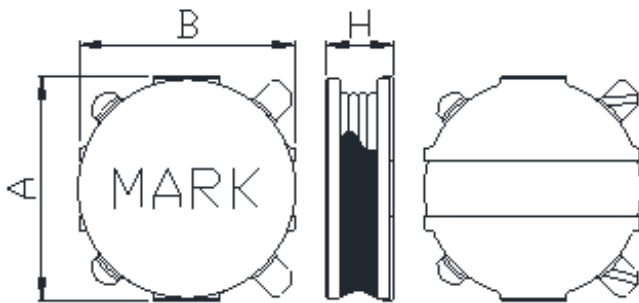
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

## Applications

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

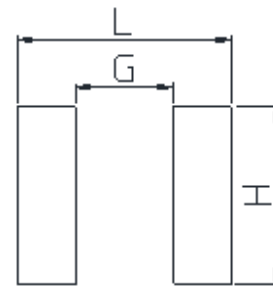


Dimension (Unit:mm)



A	B	H
4.0±0.2	4.0±0.2	1.2Max

Land Pattern (Unit:mm)



L	G	H
4.10	1.90	3.70

## Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	I <sub>sat</sub> (A) Max	I <sub>temp</sub> (A) Max	Test Frequency (Hz)
CMI-DP4012NH-1R0M	1.0	20%	50	2.80	2.60	100k
CMI-DP4012NH-1R5M	1.5	20%	65	2.30	2.10	100k
CMI-DP4012NH-2R2M	2.2	20%	80	2.10	2.00	100k
CMI-DP4012NH-3R3M	3.3	20%	110	1.80	1.50	100k
CMI-DP4012NH-4R7M	4.7	20%	125	1.40	1.20	100k
CMI-DP4012NH-6R8M	6.8	20%	195	1.10	1.00	100k
CMI-DP4012NH-100M	10	20%	265	0.90	0.80	100k
CMI-DP4012NH-150M	15	20%	340	0.72	0.70	100k
CMI-DP4012NH-220M	22	20%	585	0.52	0.50	100k

- I<sub>sat</sub>: When based on the inductance change rate (approximately 20% below in the initial value)
- I<sub>temp</sub>: 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)

Ilsan Sales Office (KOREA) +82)31-904-1444  
 Shenzhen Sales Office (CHINA) +86)755-8663-6929  
 Hungary Sales office (EUROPE) +36)30-913-7706

H.K Sales Office (HONGKONG) +852)2711-5551  
 LA Sales Office (USA) +1)866-446-3586

▪ 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

[www.coilmaster.com](http://www.coilmaster.com)