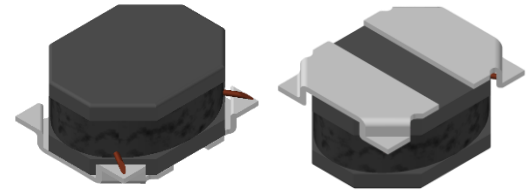


# CMI-DOP252010NH-SERIES

## Features

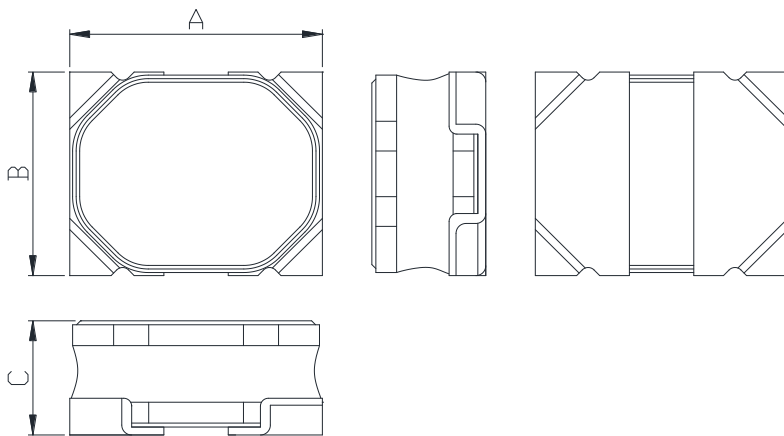
- ▶ Small and Low profile inductor.
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free



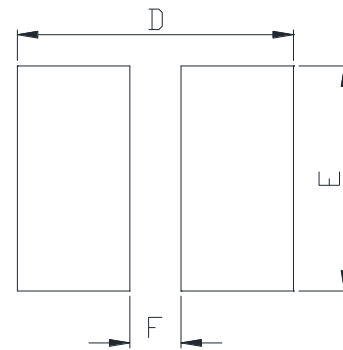
## Applications

- ▶ For small DC/DC converter (cellular phone, LCD/LED/OLED display, HDD, DSC etc).

## Dimension (Unit:mm)



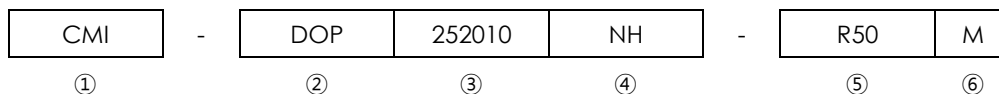
## Land Pattern (Unit:mm)



A	B	C	D	E	F
2.5±0.2	2.0±0.2	1.0Max	2.7	2.2	0.5

- 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 : 2015.11.09

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Dream Of Power inductor
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (0.50uH)
- ⑥ Inductance tolerance ( $\pm 20\%$ )

## Specifications

Part Number	Inductance (uH)	Tolerance ( $\pm$ )	DCR (mohm) $\pm 20\%$	Isat(A) Max.	Itemp(A) Max.	Test Frequency (Hz)
CMI-DOP252010NH-R50N	0.50	30%	45	3.20	2.90	1M
CMI-DOP252010NH-R68N	0.68	30%	51	2.70	2.60	1M
CMI-DOP252010NH-1R0N	1.0	30%	77	2.60	2.10	1M
CMI-DOP252010NH-2R2N	2.2	30%	145	1.50	1.30	1M
CMI-DOP252010NH-3R3N	3.3	30%	225	1.20	1.00	1M
CMI-DOP252010NH-4R7N	4.7	30%	320	1.10	0.99	1M
CMI-DOP252010NH-6R8N	6.8	30%	460	0.86	0.84	1M
CMI-DOP252010NH-100M	10	20%	580	0.68	0.67	1M
CMI-DOP252010NH-220M	22	20%	1625	0.43	0.34	1M

- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by 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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Korea Sales Office (KOREA)	+82)31-904-1444	H.K Sales Office (HONGKONG)	+852)2711-5551
China Sales Office (CHINA)	+86)0758-683-1444	LA Sales Office (USA)	+1)714-616-6989
Hungary Sales office (EUROPE)	+36)1-404-5832		

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

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