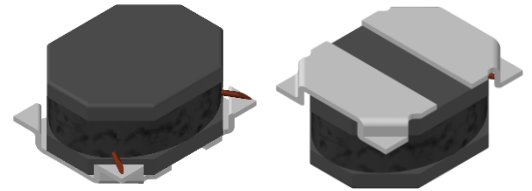


# CMI-DOP201610NH-SERIES

## 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

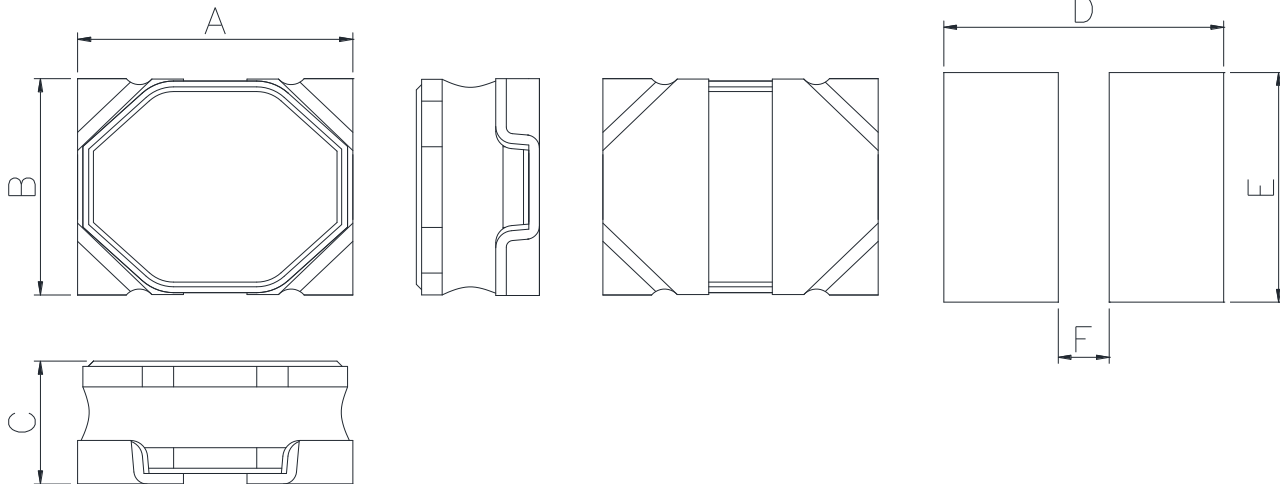


## Applications

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

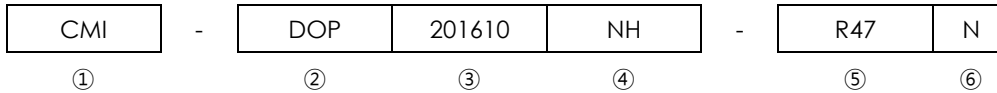
## Dimension (Unit:mm)

## Land Pattern (Unit:mm)



A	B	C	D	E	F
2.0±0.2	1.6±0.2	1.0Max	2.2	1.8	0.4

## 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 (0.47uH)
- ⑥ Inductance tolerance (±30%)

## Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max.	Itemp(A) Max.	Test Frequency (Hz)
CMI-DOP201610NH-R47N	0.47	30%	45	3.00	2.60	1M
CMI-DOP201610NH-1R0N	1.0	30%	100	1.90	1.80	1M
CMI-DOP201610NH-2R2N	2.2	30%	190	1.30	1.20	1M
CMI-DOP201610NH-3R3N	3.3	30%	290	1.00	1.00	1M
CMI-DOP201610NH-4R7N	4.7	30%	450	0.87	0.74	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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- All specifications are subject to change without notice.
- Update date : 2015.11.09