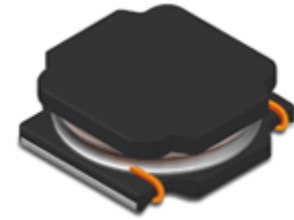


# CMI-CDSS6028NH-SERIES

## Features

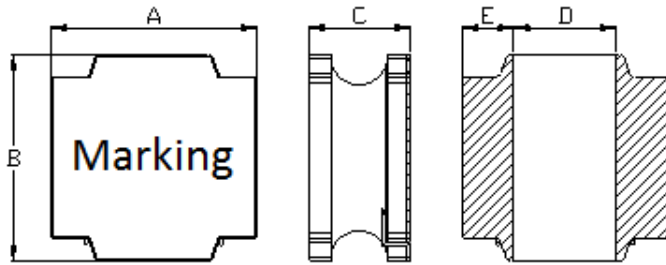
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ RoHS compliant
- ▶ Halogen-Free
- ▶ AEC-Q200 qualified.



## Applications

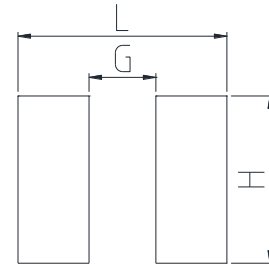
- ▶ Car navigation, car stereo and car accessories only  
(Not available for use related to driving, curving, stopping, and the other safety.)

Dimension (Unit:mm)



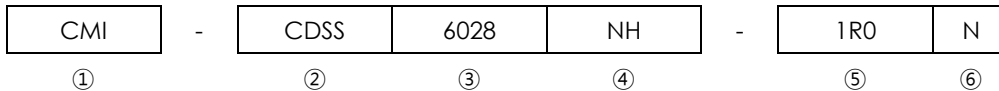
A	B	C	D	E
6.0±0.3	6.0±0.3	2.8 Max.	1.7±0.3	2.6±0.3

Land Pattern (Unit:mm)



L	G	H
6.0	2.4	5.7

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Drum Core Square shape Silver paste type Power inductor
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (1.0 uH)
- ⑥ Inductance tolerance (±30%)

## Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR(mΩ) ±30%	IDC1(A) Max.	IDC2(A) Max.	Test Frequency (Hz)
CMI-CDSS6028NH-1R0N	1.0	30%	12	6.00	5.20	100k
CMI-CDSS6028NH-1R5N	1.5	30%	15	5.75	4.58	100k
CMI-CDSS6028NH-1R8N	1.8	30%	17	5.50	4.20	100k
CMI-CDSS6028NH-2R2N	2.2	30%	20	5.10	3.75	100k
CMI-CDSS6028NH-2R7N	2.7	30%	20	4.15	3.75	100k
CMI-CDSS6028NH-3R3N	3.3	30%	25	3.80	3.48	100k
CMI-CDSS6028NH-4R7N	4.7	30%	30	3.00	3.08	100k
CMI-CDSS6028NH-6R8M	6.8	20%	47	2.60	2.40	100k
CMI-CDSS6028NH-100M	10	20%	70	2.20	2.00	100k
CMI-CDSS6028NH-120M	12	20%	80	1.80	1.85	100k
CMI-CDSS6028NH-150M	15	20%	120	1.75	1.45	100k
CMI-CDSS6028NH-180M	18	20%	125	1.52	1.45	100k
CMI-CDSS6028NH-220M	22	20%	140	1.45	1.40	100k
CMI-CDSS6028NH-330M	33	20%	185	1.35	1.22	100k
CMI-CDSS6028NH-470M	47	20%	315	1.15	1.06	100k
CMI-CDSS6028NH-680M	68	20%	360	0.80	0.86	100k
CMI-CDSS6028NH-820M	82	20%	500	0.80	0.70	100k
CMI-CDSS6028NH-101M	100	20%	500	0.65	0.70	100k
CMI-CDSS6028NH-102M	1000	20%	5800	0.18	0.20	100k

- IDC1: When based on the inductance change rate (approximately 30% below in the initial value)
- IDC2: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range(including self temperature) : -40°C ~ +125 °c

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▪ 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 : 2022.03.15

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