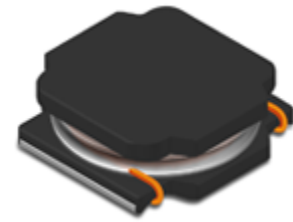


# CMI-CDSS5020NH-SERIES

## Features

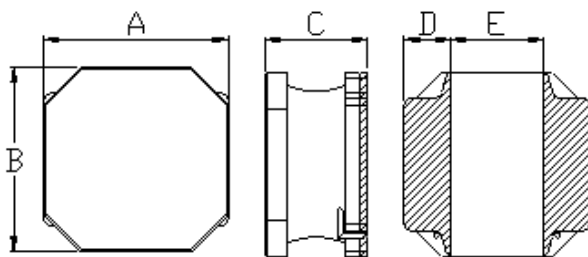
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ RoHS compliant
- ▶ Halogen-Free
- ▶ AEC-Q200 qualified



## Applications

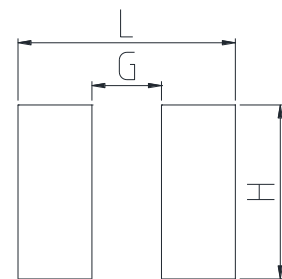
- ▶ Car navigation, car stereo and car accessories only  
(Not available for use related to driving, curving, stopping, and the other safety.)

Dimension (Unit:mm)



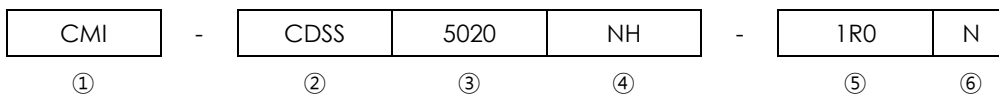
A	B	C	D	E
5.0±0.2	5.0±0.2	2.2 Max.	1.5±0.2	2.0±0.2

Land Pattern (Unit:mm)



L	G	H
5.1	2.3	4.2

## 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-CDSS5020NH-1R0N	1.0	30%	20	4.10	3.80	100k
CMI-CDSS5020NH-1R5N	1.5	30%	30	4.10	3.20	100k
CMI-CDSS5020NH-2R2N	2.2	30%	40	3.20	2.70	100k
CMI-CDSS5020NH-3R3N	3.3	30%	50	2.55	2.30	100k
CMI-CDSS5020NH-4R7M	4.7	20%	57	2.50	2.20	100k
CMI-CDSS5020NH-6R8M	6.8	20%	83	2.05	1.80	100k
CMI-CDSS5020NH-8R2M	8.2	20%	98	1.85	1.65	100k
CMI-CDSS5020NH-100M	10	20%	120	1.70	1.55	100k
CMI-CDSS5020NH-120M	12	20%	140	1.50	1.40	100k
CMI-CDSS5020NH-150M	15	20%	165	1.35	1.25	100k
CMI-CDSS5020NH-180M	18	20%	200	1.25	1.15	100k
CMI-CDSS5020NH-220M	22	20%	250	1.15	1.10	100k
CMI-CDSS5020NH-330M	33	20%	400	0.92	0.90	100k
CMI-CDSS5020NH-470M	47	20%	580	0.77	0.75	100k
CMI-CDSS5020NH-680M	68	20%	740	0.65	0.64	100k
CMI-CDSS5020NH-101M	100	20%	1100	0.53	0.40	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

Ilsan Sales Office (KOREA) +82)31-904-1444  
 China Sales Office (CHINA) +86)758-278-7031  
 Hungary Sales office (EUROPE) +36)1-899-8543

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 : 2022.03.15

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