

CMI-CDSS3012NH-SERIES

Features

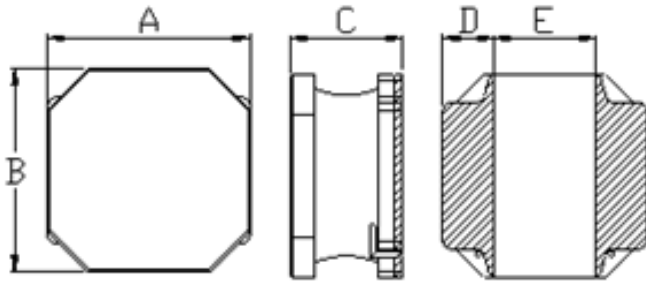
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ RoHS compliant
- ▶ Halogen-Free
- ▶ AEC-Q200 qualified



Applications

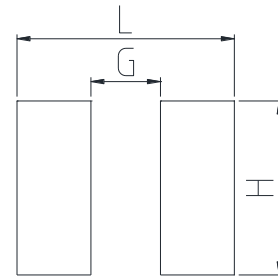
- ▶ Car navigation, car stereo and car accessories only
(Not available for use related to driving, curving, stopping, and the other safety.)

Dimension (Unit:mm)



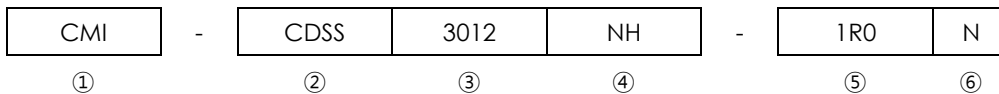
A	B	C	D	E
3.0±0.2	3.0±0.2	1.2 Max.	0.75±0.2	1.5±0.2

Land Pattern (Unit:mm)



L	G	H
3.1	1.5	2.7

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%)

• You can also contact us by e-mail : coilmaster@coilmaster.com
 • All specifications are subject to change without notice.
 • Update date : 2022.03.16

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR(mΩ) ±30%	IDC1(A) Max.	IDC2(A) Max.	Test Frequency (Hz)
CMI-CDSS3012NH-1R0N	1.0	30%	40	1.87	2.20	120
CMI-CDSS3012NH-1R5N	1.5	30%	45	1.62	2.01	110
CMI-CDSS3012NH-2R2N	2.2	30%	75	1.20	1.55	84
CMI-CDSS3012NH-3R3M	3.3	20%	100	1.05	1.36	64
CMI-CDSS3012NH-4R7M	4.7	20%	145	0.90	1.24	61
CMI-CDSS3012NH-6R8M	6.8	20%	190	0.75	0.98	61
CMI-CDSS3012NH-100M	10	20%	265	0.60	0.83	42
CMI-CDSS3012NH-150M	15	20%	360	0.45	0.71	27
CMI-CDSS3012NH-220M	22	20%	645	0.42	0.53	23
CMI-CDSS3012NH-330M	33	20%	875	0.36	0.46	18
CMI-CDSS3012NH-470M	47	20%	1450	0.27	0.35	14
CMI-CDSS3012NH-680M	68	20%	1670	0.24	0.33	12

- 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

Ilisan 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

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www.coilmaster.com