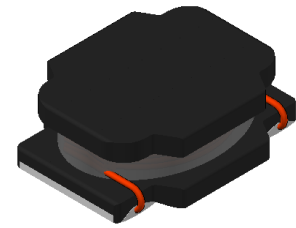


CMI-CDSS252012NH-SERIES

Features

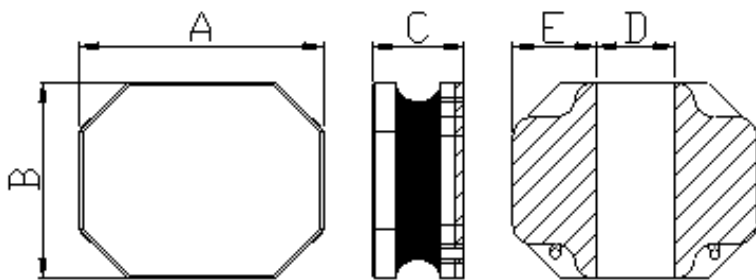
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ RoHS compliant
- ▶ Halogen-Free
- ▶ AEC-Q200 qualified.



Applications

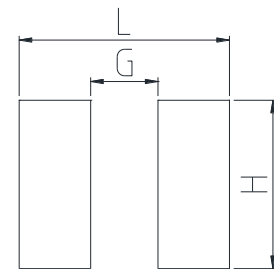
- ▶ Car navigation, car stereo and car accessories only
(Not available for use related to driving, curving, stopping, and the other safety.)

Dimension (Unit:mm)



A	B	C	D	E
2.5±0.2	2.0±0.2	1.25 Max.	0.8±0.2	0.8±0.2

Land Pattern (Unit:mm)



L	G	H
2.5	0.8	2.0

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 (0.47uH)
- 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 : 2022.03.14

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR(mΩ) Max.	IDC1(A) Max.	IDC2(A) Max.	Test Frequency (Hz)
CMI-CDSS252012NH-R47N	0.47	30%	61	3.82	2.15	1M
CMI-CDSS252012NH-R68N	0.68	30%	74	3.28	1.95	1M
CMI-CDSS252012NH-1R0N	1.0	30%	90	2.59	1.93	1M
CMI-CDSS252012NH-1R5N	1.5	30%	147	2.24	1.40	1M
CMI-CDSS252012NH-2R2N	2.2	30%	216	1.85	1.15	1M
CMI-CDSS252012NH-3R3M	3.3	20%	264	1.61	1.04	1M
CMI-CDSS252012NH-4R7M	4.7	20%	377	1.12	0.84	1M
CMI-CDSS252012NH-5R6M	5.6	20%	538	1.11	0.73	1M
CMI-CDSS252012NH-6R8M	6.8	20%	581	0.98	0.69	1M
CMI-CDSS252012NH-100M	10	20%	690	0.79	0.62	1M
CMI-CDSS252012NH-150M	15	20%	1591	0.68	0.42	1M
CMI-CDSS252012NH-220M	22	20%	1976	0.53	0.38	1M

- 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

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