

CMI-CDSS3010NH-SERIES

Features

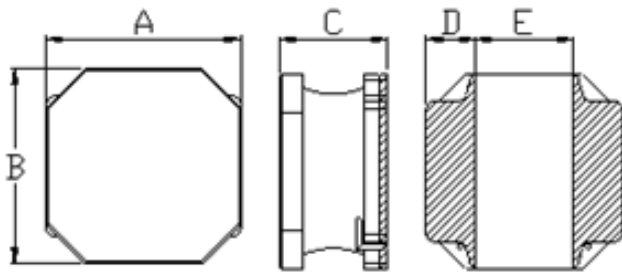
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ RoHS compliant
- ▶ Halogen-Free
- ▶ AEC-Q200 qualified



Applications

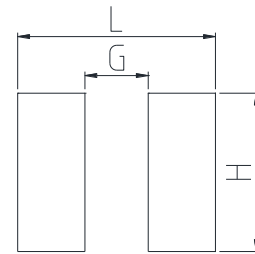
- ▶ Car navigation, car stereo and car accessories only
(Not available for use related to driving, curving, stopping, and the other safety.)

Dimension (Unit:mm)



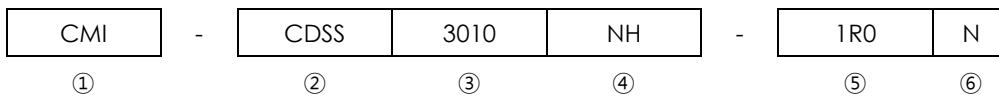
A	B	C	D	E
3.0±0.2	3.0±0.2	1.0 Max.	0.75±0.2	1.5±0.2

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 : 2022.03.15

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR(mΩ) ±30%	IDC1(A) Max.	IDC2(A) Max.	Test Frequency (Hz)
CMI-CDSS3010NH-1R0N	1.0	30%	65	1.40	1.45	100k
CMI-CDSS3010NH-1R5N	1.5	30%	80	1.27	1.30	100k
CMI-CDSS3010NH-2R2N	2.2	30%	110	1.15	1.09	100k
CMI-CDSS3010NH-3R3N	3.3	30%	145	0.97	0.96	100k
CMI-CDSS3010NH-4R7M	4.7	20%	225	0.75	0.77	100k
CMI-CDSS3010NH-6R8M	6.8	20%	305	0.55	0.66	100k
CMI-CDSS3010NH-100M	10	20%	400	0.55	0.58	100k
CMI-CDSS3010NH-150M	15	20%	610	0.42	0.47	100k
CMI-CDSS3010NH-220M	22	20%	930	0.35	0.38	100k
CMI-CDSS3010NH-330M	33	20%	1550	0.29	0.30	100k
CMI-CDSS3010NH-470M	47	20%	1950	0.22	0.26	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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