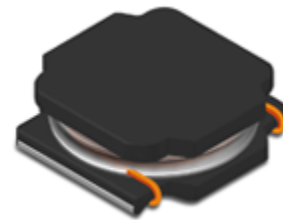


CMI-CDSS4020NH-SERIES

Features

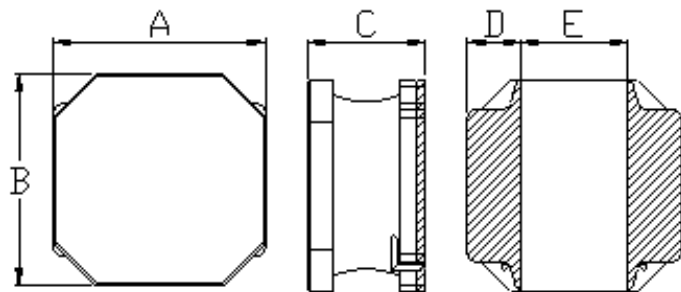
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ RoHS compliant
- ▶ Halogen-Free
- ▶ AEC-Q200 qualified



Applications

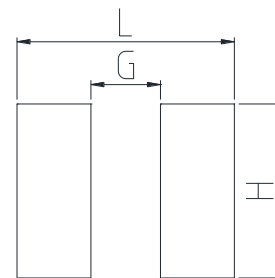
- ▶ Car navigation, car stereo and car accessories only
(Not available for use related to driving, curving, stopping, and the other safety.)

Dimension (Unit:mm)



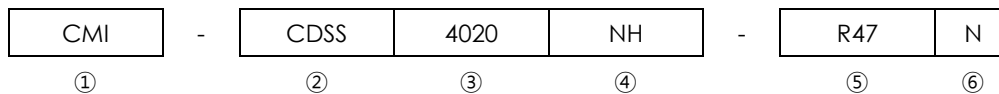
A	B	C	D	E
4.0±0.2	4.0±0.2	2.0 Max.	1.2±0.2	1.6±0.2

Land Pattern (Unit:mm)



L	G	H
4.1	1.5	3.7

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 (0.47 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-CDSS4020NH-R47N	0.47	30%	18	7.50	3.30	100k
CMI-CDSS4020NH-1R0N	1.0	30%	29	4.78	2.15	100k
CMI-CDSS4020NH-1R5N	1.5	30%	35	4.45	1.98	100k
CMI-CDSS4020NH-2R2N	2.2	30%	40	3.40	1.85	100k
CMI-CDSS4020NH-3R3M	3.3	20%	70	3.20	1.40	100k
CMI-CDSS4020NH-4R7M	4.7	20%	75	2.35	1.34	100k
CMI-CDSS4020NH-6R8M	6.8	20%	125	2.00	1.04	100k
CMI-CDSS4020NH-100M	10	20%	165	1.60	0.90	100k
CMI-CDSS4020NH-150M	15	20%	230	1.35	0.77	100k
CMI-CDSS4020NH-220M	22	20%	350	1.05	0.62	100k
CMI-CDSS4020NH-330M	33	20%	550	0.85	0.49	100k
CMI-CDSS4020NH-470M	47	20%	710	0.74	0.44	100k
CMI-CDSS4020NH-680M	68	20%	1060	0.61	0.36	100k
CMI-CDSS4020NH-820M	82	20%	1170	0.50	0.34	100k
CMI-CDSS4020NH-101M	100	20%	1550	0.48	0.31	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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