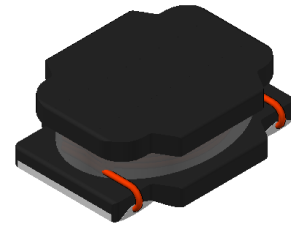


CMI-CDSS201610NH-SERIES

Features

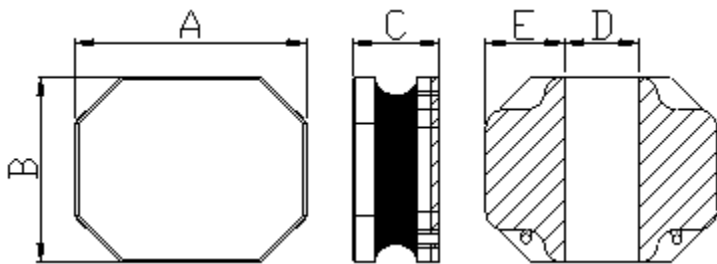
- ▶ High current and low profile.
- ▶ Available tape and reel for auto insertion
- ▶ Simple and Shield structure.
- ▶ RoHS compliant
- ▶ Halogen-Free
- ▶ AEC-Q200 qualified.



Applications

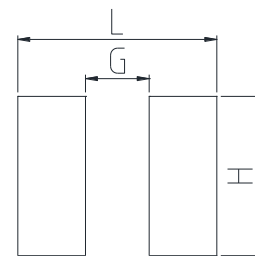
- ▶ Car navigation, car stereo and car accessories only
(Not available for use related to driving, curving, stopping, and the other safety.)

Dimension (Unit:mm)



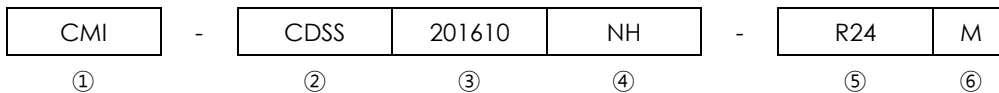
A	B	C	D	E
2.0±0.2	1.6±0.2	1.0 Max.	0.6±0.2	0.6±0.2

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 (0.24 uH)
- ⑥ Inductance tolerance (±20%)

• 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 (μH)	Tolerance (±)	DCR (mΩ) Max.(Typ.)	IDC1(A) Max.(Typ.)	IDC2(A) Max.(Typ.)	Test Frequency (Hz)
CMI-CDSS201610NH-R24M	0.24	20%	40(33)	3.70(4.10)	2.80(3.10)	1M
CMI-CDSS201610NH-R33M	0.33	20%	48(41)	3.00(3.70)	2.40(2.90)	1M
CMI-CDSS201610NH-R47M	0.47	20%	60(50)	2.30(2.85)	2.30(2.60)	1M
CMI-CDSS201610NH-R68M	0.68	20%	76(63)	1.95(2.45)	2.00(2.20)	1M
CMI-CDSS201610NH-1R0M	1.0	20%	114(96)	1.65(1.85)	1.45(1.60)	1M
CMI-CDSS201610NH-2R2M	2.2	20%	265(215)	1.20(1.45)	1.05(1.15)	1M
CMI-CDSS201610NH-3R3M	3.3	20%	345(290)	1.00(1.20)	0.85(0.95)	1M
CMI-CDSS201610NH-4R7M	4.7	20%	480(400)	0.75(0.90)	0.70(0.80)	1M
CMI-CDSS201610NH-6R8M	6.8	20%	800(610)	0.70(0.85)	0.55(0.60)	1M
CMI-CDSS201610NH-100M	10	20%	1000(800)	0.65(0.70)	0.50(0.55)	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

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