

# CMI-DSS201610NH-SERIES



## Features

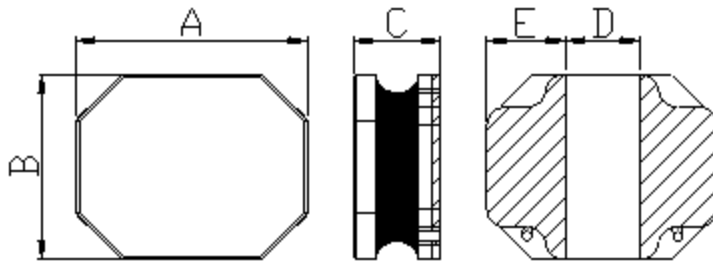
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant
- ▶ Halogen-Free



## Applications

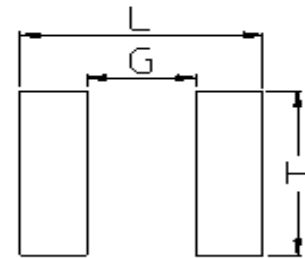
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

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

## Specifications

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) Max.(Typ.)	IDC1(A) Max.(Typ.)	IDC2(A) Max.(Typ.)	Test Frequency (Hz)
CMI-DSS201610NH-R24M	0.24	20%	40(33)	3.70(4.10)	2.80(3.10)	1M
CMI-DSS201610NH-R33M	0.33	20%	48(41)	3.00(3.70)	2.40(2.90)	1M
CMI-DSS201610NH-R47M	0.47	20%	60(50)	2.30(2.85)	2.30(2.60)	1M
CMI-DSS201610NH-R68M	0.68	20%	76(63)	1.95(2.45)	2.00(2.20)	1M
CMI-DSS201610NH-1R0M	1.0	20%	114(96)	1.65(1.85)	1.45(1.60)	1M
CMI-DSS201610NH-2R2M	2.2	20%	265(215)	1.20(1.45)	1.05(1.15)	1M
CMI-DSS201610NH-3R3M	3.3	20%	345(290)	1.00(1.20)	0.85(0.95)	1M
CMI-DSS201610NH-4R7M	4.7	20%	480(400)	0.75(0.90)	0.70(0.80)	1M
CMI-DSS201610NH-6R8M	6.8	20%	800(610)	0.70(0.85)	0.55(0.60)	1M
CMI-DSS201610NH-100M	10	20%	1000(800)	0.65(0.70)	0.50(0.55)	1M

• You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)

- All specifications are subject to change without notice
- Update date : 2021.01.21

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Itemp (A) Max.	SRF (Min) (MHz)

- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range (including self temperature) : -25°C ~ +125°C

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application

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