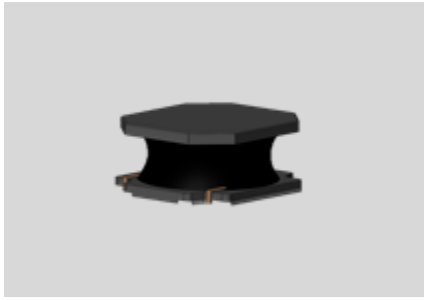
CMI-DSS4018NH-SERIES

Features

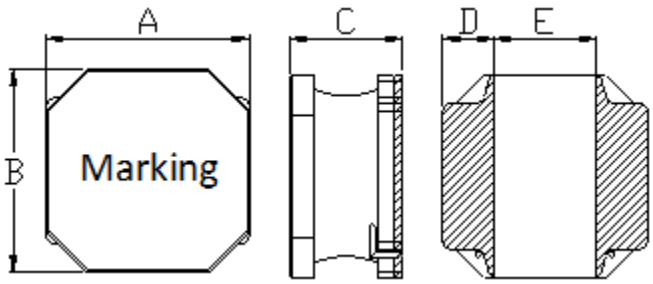
- ► Small and Low profile inductor
- ► It corresponds to High current.
- ► Simple and Shield structure.
- ► Takes up less PCB real estate and save more power
- ► Available tape and reel for auto insertion.
- ► RoHs compliant
- ► Halogen-Free



Applications

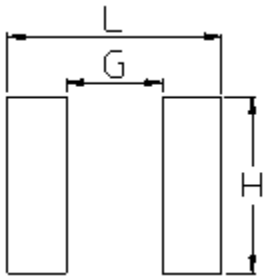
- ► For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



A	B	C	D	E
4.0±0.2	4.0±0.2	1.8 Max.	1.2±0.2	1.6±0.2

Land Pattern (Unit:mm)



L	G	H
4.1	1.5	3.7

Specifications

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Itemp (A) Max.
CMI-DSS4018NH-R50N	0.5	30%	21	6.00	4.50
CMI-DSS4018NH-1R0N	1.0	30%	25	4.20	2.00
CMI-DSS4018NH-1R5N	1.5	30%	30	3.35	1.80
CMI-DSS4018NH-2R2M	2.2	20%	45	2.70	1.65
CMI-DSS4018NH-3R3M	3.3	20%	70	2.45	1.23
CMI-DSS4018NH-4R7M	4.7	20%	90	1.70	1.20
CMI-DSS4018NH-6R8M	6.8	20%	110	1.45	1.06
CMI-DSS4018NH-100M	10	20%	180	1.30	0.84
CMI-DSS4018NH-150M	15	20%	250	0.94	0.65
CMI-DSS4018NH-220M	22	20%	360	0.80	0.59
CMI-DSS4018NH-330M	33	20%	530	0.56	0.49
CMI-DSS4018NH-470M	47	20%	650	0.57	0.42

▪ **You can also contact us by e-mail : coilmaster@coilmaster.com**
▪ All specifications are subject to change without notice
▪ Update date : 2021.02.19

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Itemp (A) Max.
CMI-DSS4018NH-680M	68	20%	1000	0.47	0.32
CMI-DSS4018NH-101M	100	20%	1750	0.40	0.25
CMI-DSS4018NH-151M	150	20%	2500	0.31	0.22
CMI-DSS4018NH-221M	220	20%	4000	0.27	0.17
CMI-DSS4018NH-331M	330	20%	6500	0.20	0.14

▪ Inductance Tested at 100kHz, 1Vrms (20˚c)
▪ 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

▪ **You can also contact us by e-mail : coilmaster@coilmaster.com**