

CMI-DSS5040NH-SERIES



Features

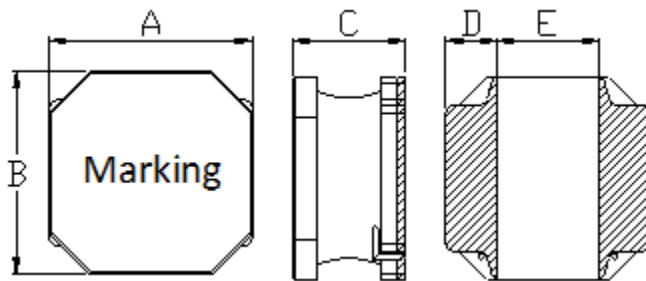
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant
- ▶ Halogen-Free



Applications

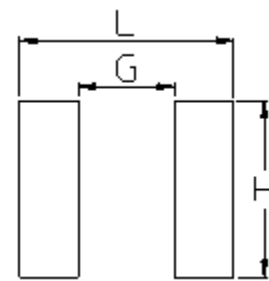
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



A	B	C	D	E
5.0±0.2	5.0±0.2	4.0 Max.	1.5±0.2	2.0±0.2

Land Pattern (Unit:mm)



L	G	H
5.1	2.3	4.2

Specifications

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Itemp (A) Max.	SRF (Min) (MHz)
CMI-DSS5040NH-1R0N	1.0	30%	12	7.35	4.90	117
CMI-DSS5040NH-1R2N	1.2	30%	15	6.50	4.30	110
CMI-DSS5040NH-1R5N	1.5	30%	16	6.30	4.15	86
CMI-DSS5040NH-2R2N	2.2	30%	19	4.90	3.80	50
CMI-DSS5040NH-3R3N	3.3	30%	24	3.95	3.40	32
CMI-DSS5040NH-4R7M	4.7	20%	30	3.50	3.00	28
CMI-DSS5040NH-5R6M	5.6	20%	35	3.00	2.80	27
CMI-DSS5040NH-6R8M	6.8	20%	43	2.90	2.50	21
CMI-DSS5040NH-100M	10	20%	64	2.35	2.10	18
CMI-DSS5040NH-150M	15	20%	86	2.00	2.00	13
CMI-DSS5040NH-220M	22	20%	129	1.60	1.50	11
CMI-DSS5040NH-330M	33	20%	188	1.30	1.20	9.1

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

- All specifications are subject to change without notice
- Update date : 2017.01.10

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Itemp (A) Max.	SRF (Min) (MHz)
CMI-DSS5040NH-470M	47	20%	2722	1.10	1.00	6.7
CMI-DSS5040NH-680M	68	20%	400	0.90	0.80	5.7
CMI-DSS5040NH-101M	100	20%	560	0.75	0.70	5
CMI-DSS5040NH-151M	150	20%	750	0.65	0.60	4.7
CMI-DSS5040NH-221M	220	20%	1280	0.40	0.38	3
CMI-DSS5040NH-102M	1000	20%	6200	0.25	0.25	2
CMI-DSS5040NH-222M	2200	20%	13000	0.10	0.10	2

- 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

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