

CMI-DSS3010NH-SERIES



Features

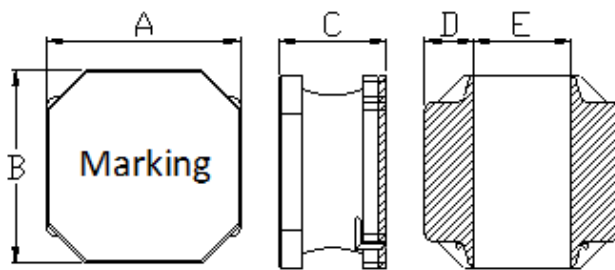
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant
- ▶ Halogen-Free



Applications

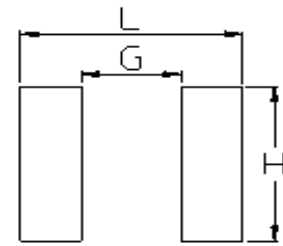
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



A	B	C	D	E
3.0±0.2	3.0±0.2	1.0 Max.	0.75±0.2	1.5±0.2

Land Pattern (Unit:mm)



L	G	H
3.1	1.5	2.7

Specifications

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	IDC1 (A) Max.	IDC2 (A) Max.	SRF (Min) (MHz)
CMI-DSS3010NH-1R0N	1.0	30%	65	1.40	1.45	180
CMI-DSS3010NH-1R2N	1.2	30%	65	1.25	1.45	137
CMI-DSS3010NH-1R5N	1.5	30%	80	1.27	1.30	120
CMI-DSS3010NH-2R2N	2.2	30%	110	1.15	1.09	100
CMI-DSS3010NH-2R7N	2.7	30%	130	1.00	1.02	90
CMI-DSS3010NH-3R3N	3.3	30%	145	0.97	0.96	74
CMI-DSS3010NH-3R6M	3.6	20%	165	0.95	0.90	67
CMI-DSS3010NH-4R7M	4.7	20%	225	0.75	0.77	59
CMI-DSS3010NH-6R8M	6.8	20%	305	0.55	0.66	42
CMI-DSS3010NH-100M	10	20%	400	0.55	0.58	39
CMI-DSS3010NH-120M	12	20%	505	0.43	0.52	36
CMI-DSS3010NH-150M	15	20%	610	0.42	0.47	30
CMI-DSS3010NH-220M	22	20%	930	0.35	0.38	28

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

- All specifications are subject to change without notice
- Update date : 2017.01.09

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	IDC1 (A) Max.	IDC2 (A) Max.	SRF (Min) (MHz)
CMI-DSS3010NH-270M	27	20%	1080	0.30	0.35	25
CMI-DSS3010NH-330M	33	20%	1550	0.29	0.30	18
CMI-DSS3010NH-390M	39	20%	1750	0.28	0.28	18
CMI-DSS3010NH-430M	43	20%	1800	0.23	0.27	18
CMI-DSS3010NH-470M	47	20%	1950	0.22	0.26	18
CMI-DSS3010NH-510M	51	20%	2200	0.21	0.25	18
CMI-DSS3010NH-560M	56	20%	2320	0.21	0.24	16

- Inductance Tested at 100kHz, 1Vrms (20°C)
- 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) : -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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