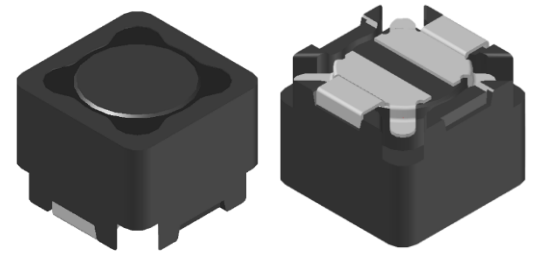


CMI-SSP7055NH-B SERIES

Features

- ▶ SMD inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant.
- ▶ Halogen Free.

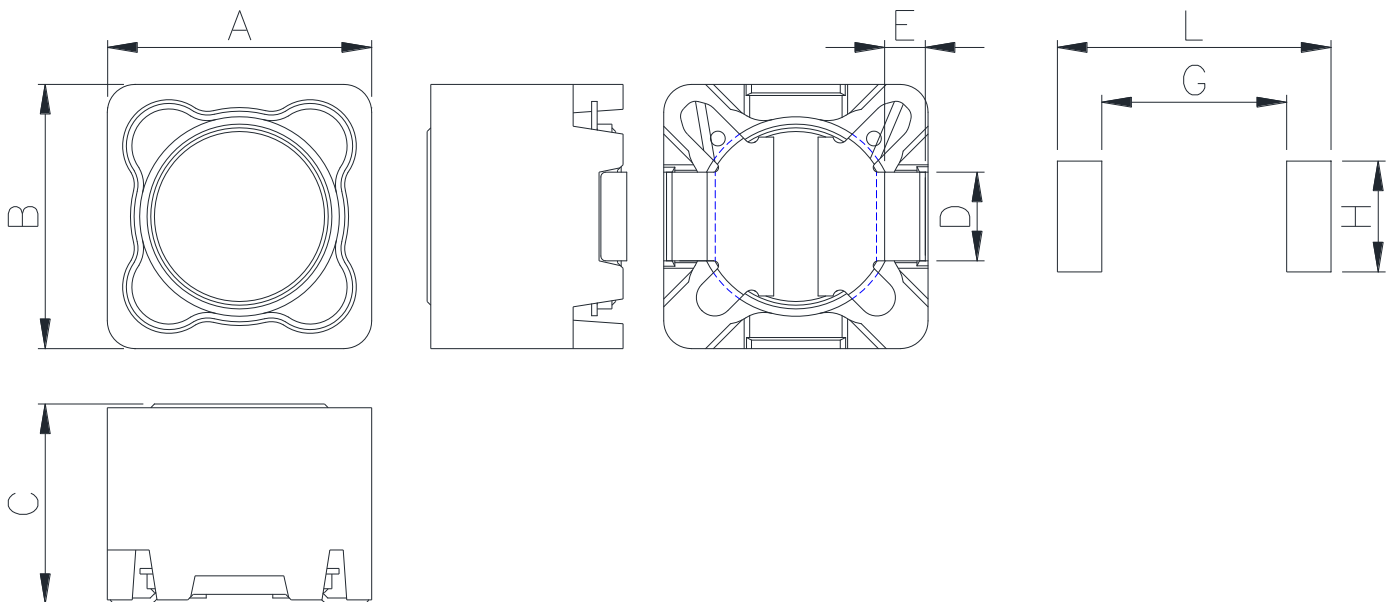


Applications

- ▶ For small DC/DC converter (LCD/LED/OLED TV, PC, SETTOP etc).
- ▶ For Power supply circuits.

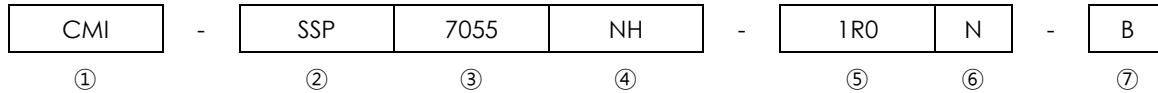
Dimension (Unit:mm)

Land Pattern (Unit:mm)



A	B	C	D	E	G	H	L
7.15 ±0.2	7.15 ±0.2	5.5 Max.	2.4 ±0.2	1.1 ±0.2	5.0	3.0	7.4

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Shielded core Square shape Pin type Power Inductor
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (1.0uH)
- ⑥ Inductance tolerance (±30%)
- ⑦ Revision (B)

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) Max.(Typ.)	Isat(A) Max.	Itemp(A) Max.	Test Frequency (Hz)
CMI-SSP7055NH-1R0N-B	1.0	30%	18(15)	5.50		100k
CMI-SSP7055NH-2R2N-B	2.2	30%	26.4(22)	5.20		100k
CMI-SSP7055NH-4R7N-B	4.7	30%	34.8(29)	4.00		100k
CMI-SSP7055NH-6R8N-B	6.8	30%	39.6(33)	3.10		100k
CMI-SSP7055NH-100M-B	10	20%	46.8(39)	2.70		100k
CMI-SSP7055NH-220M-B	22	20%	90(75)	1.80		100k
CMI-SSP7055NH-330M-B	33	20%	112.8(94)	1.50		100k
CMI-SSP7055NH-470M-B	47	20%	159.6(133)	1.10		100k
CMI-SSP7055NH-680M-B	68	20%	234(195)	1.00		100k
CMI-SSP7055NH-101M-B	100	20%	303.6(253)	0.90		100k
CMI-SSP7055NH-221M-B	220	20%	741.6(618)	0.60		100k

- Isat: When based on the inductance change rate (Approximately 20% 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) : -40°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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▪ **You can also contact us by e-mail : coilmaster@coilmaster.com**

- All specifications are subject to change without notice.
- Update date : 2015.11.09

www.coilmaster.com