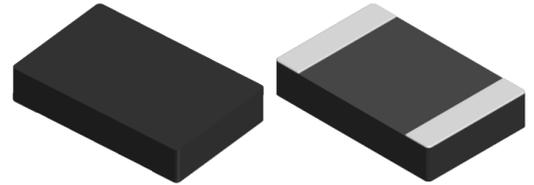


CMI-MMPS1208025BC-R075M

Features

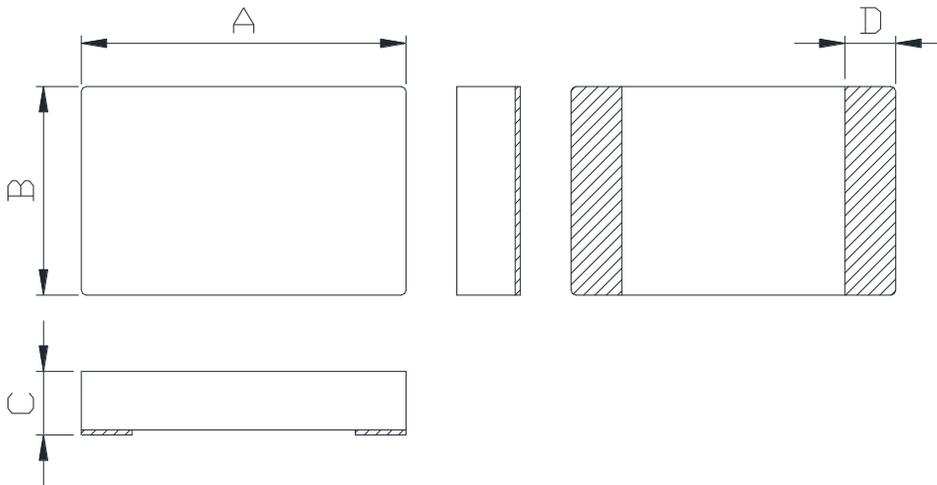
- ▶ High efficiency and Low DCR.
- ▶ Compact design.
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS & Halogen-Free compliant.



Applications

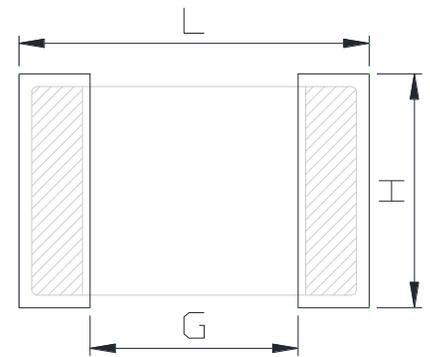
- ▶ For DC/DC converter, AV equipment digital consumer electronics.

Dimension (Unit:mm)



A	B	C	D
12.80 ±0.3	8.20 ±0.3	2.50 Max.	2.00 ±0.3

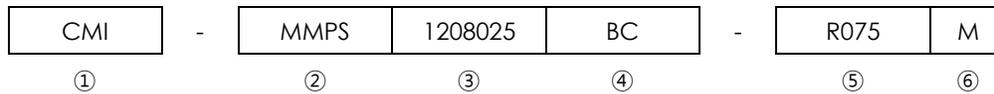
Land Pattern (Unit:mm)



L	G	H
13.8	8.2	9.2

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Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Metal Molded Power inductor (Sintered type)
- ③ Dimension (unit:mm)
- ④ Type
- ⑤ Typical inductance value (75 nH)
- ⑥ Inductance tolerance ($\pm 20\%$)

Specifications

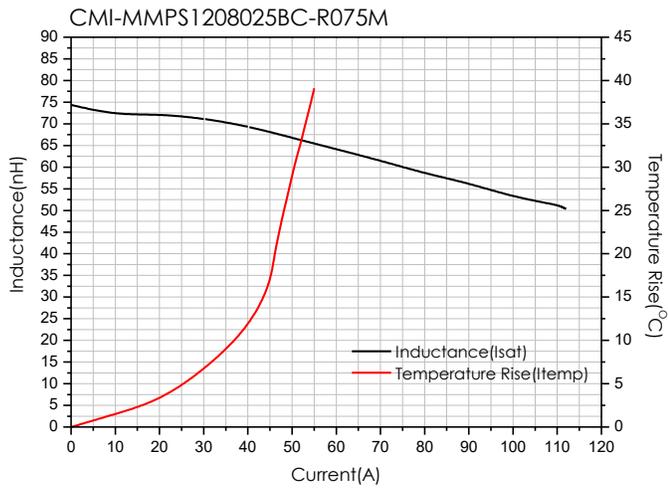
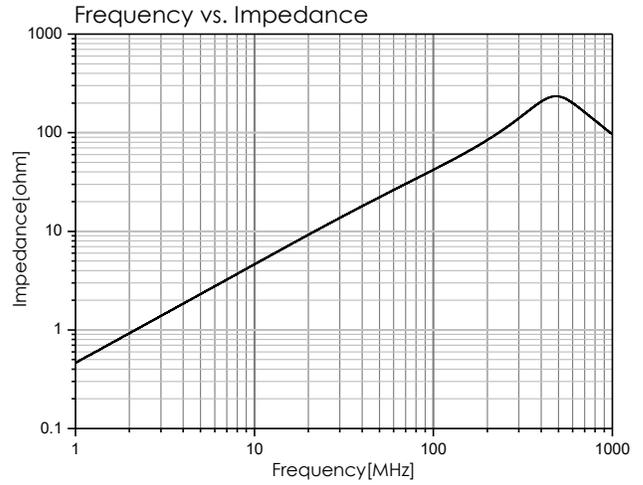
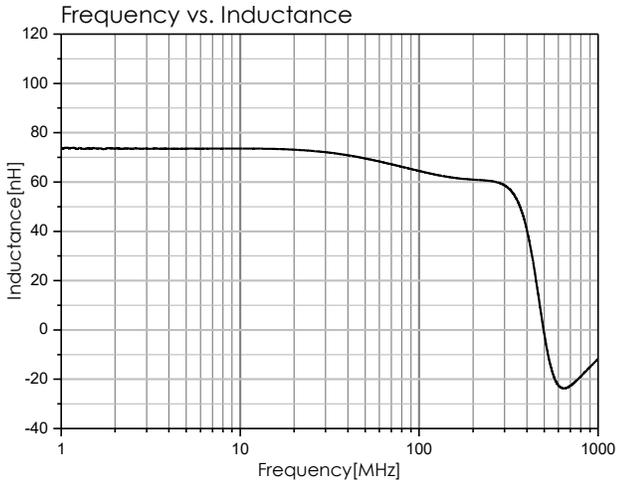
Part Number	Inductance (nH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-MMPS1208025BC-R075M	75	0.46(0.38)	90.0(100.0)	50.0(54.0)	1M

- 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) : -40°C ~ +125 °c
- MSL Levels 1
 - a) Condition: $\leq 30^{\circ}\text{C} / 85\% \text{ RH}$
 - b) It is strongly recommended that all the products of COILMASTER are to be installed within 36 months
 - c) After the date of production. If it is to be installed after 36 months from the date of production,

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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Electrical characteristics

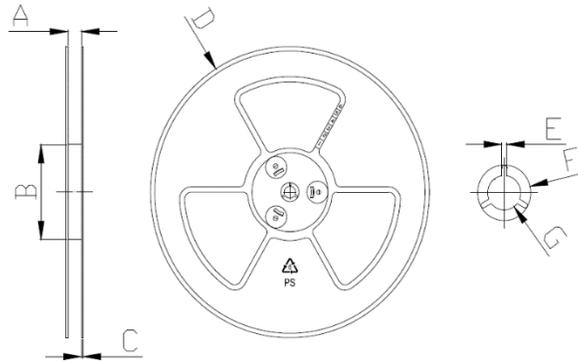


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Packaging

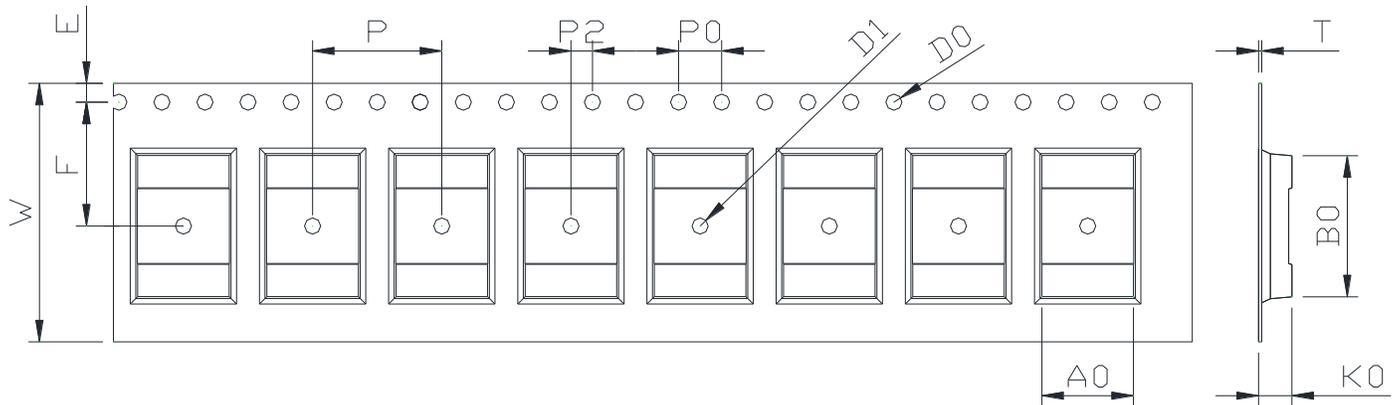
(1) Package quantity: 1,500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
24.50	100.0	2.00	330.0	2.30	21.50	13.00
+0.50	+1.00	+0.10	+3.00	+0.30	+0.30	+0.50
-0.50	-1.00	-0.10	-3.00	-0.30	-0.30	-0.20

(3) Tape Dimensions



W	A0	B0	K0	E	F	P	P0	P2	D/D1	T
24.00	8.50	13.10	3.10	1.75	11.50	12.00	4.00	2.00	1.50	0.30
+0.30	+0.15	+0.15	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.05
-0.30	-0.15	-0.15	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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