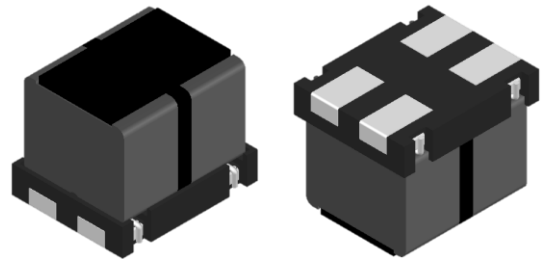


# CMI-TMMPB09120HL-SERIES

## Features

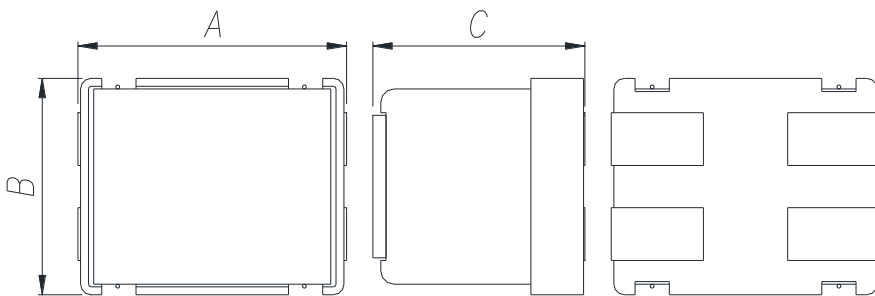
- ▶ Space reduction is realized by 2 in 1 construction
- ▶ High current, Low resistance
- ▶ Halogen-Free / RoHS compliant.
- ▶ AEC-Q200 qualified.



## Applications

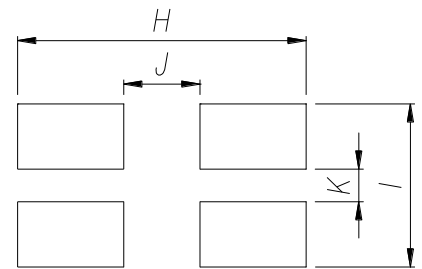
- ▶ Automotive (Car Audio, Car Navigation), Audio Visual (TV and Monitor, Mini component, AV amplifier, Amplifier for profile)

### Dimension (Unit:mm)



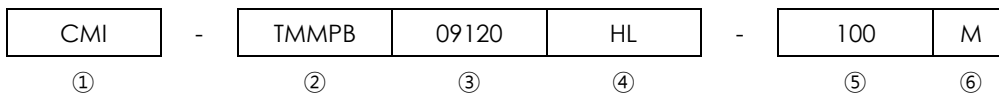
A	B	C
9.0±0.5	11.0±0.5	12.5 Max

### Land Pattern (Unit:mm)



H	I	J	K
10.0	9.5	3.0	3.4

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Two in one Metal Molded Power inductor Base type
- ③ Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (10.0uH)
- ⑥ Inductance tolerance (±20%)

- You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)
- All specifications are subject to change without notice.
- Update date : 2022.05.25

## Specifications

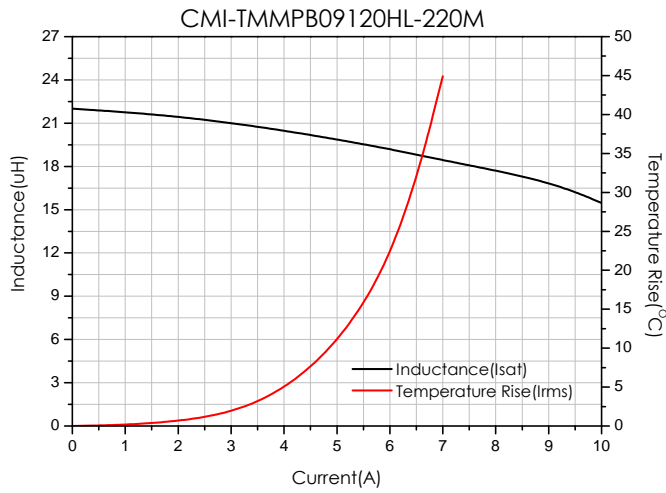
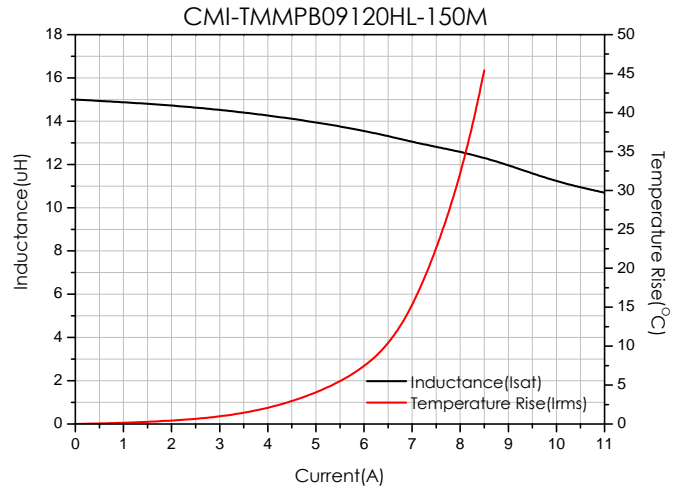
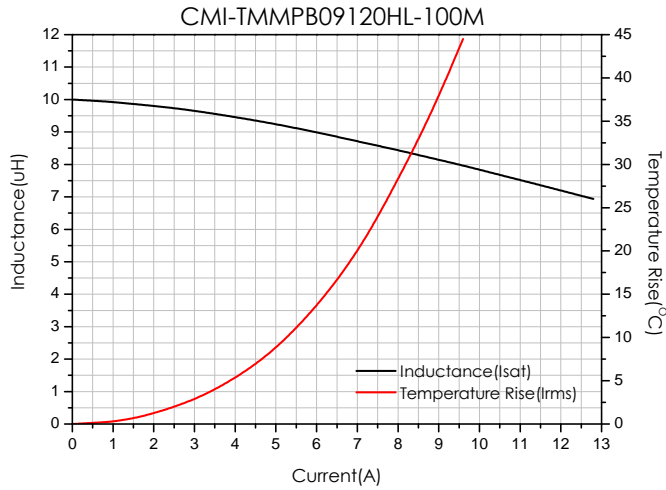
Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Irms(A) Max.(Typ.)	Test Frequency (Hz)
CMI-TMMPB09120HL-100M	10	48(40)	10.00(11.00)	8.00(8.50)	100k
CMI-TMMPB09120HL-150M	15	54(45)	9.00(10.50)	7.50(8.00)	100k
CMI-TMMPB09120HL-220M	22	66(55)	7.50(9.00)	6.00(6.50)	100k

- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Irms: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range(including self temperature) : -40°C ~ +165 °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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## Electrical characteristics



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