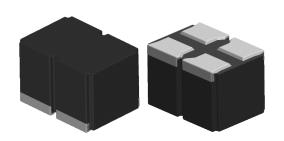


CMI-TMMPS10076BC-SERIES

Features

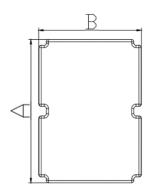
- ▶ The inductor in which copper and magnetic materials are co-fired.
- ▶ Space reduction is realized by 2 in 1 construction.
- ► High current, Low resistance.
- ► RoHS & Halogen-Free compliant.
- ► AEC-Q200 qualified.

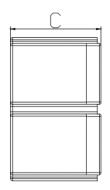


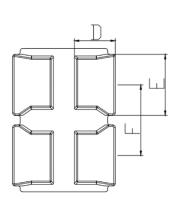
Applications

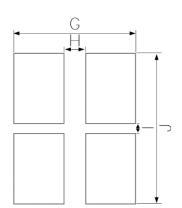
- ► Server, workstation and storage systems.
- ► Graphics cards and battery power systems.
- ▶ Multi-phase and Voltage Regulator Modules (VRMs).
- ▶ Point-of-Load modules.

Dimension (Unit:mm)









Land Pattern (Unit:mm)

Α	В	С	D	Е	F
10.0 ±0.3	7.0 ±0.3	6.2 Max.	2.8 ±0.3	4.2 ±0.3	4.85 ±0.3

G	Н	I	J	
9.0	1.2	0.5	10.5	

- You can also contact us by e-mail: coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date: 2025.02.26

Regulation of part number

CMI	-	TMMPS	10076	BC	_	R082	М
(1)		(2)	(3)	(4)	-	(5)	(6)

- 1 CoilMaster's initial
- 2) Series Name: Two in one Metal Molded Power inductor Sinter type
- 3 Type
- 4 Material
- (§) Typical inductance value (82 nH)
- 6 Inductance tolerance (±20%)

Specifications

Inductance (nH) ±20%	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
82	0.16(0.14)	75.0(88.0)	58.0(68.0)	1M
	(nH) ±20%	(nH) ±20% Max.(Typ.)	(nH) ±20% Max.(Typ.) Max.(Typ.)	(nH) ±20% Max.(Typ.) Max.(Typ.) Max.(Typ.)

- 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 ~ +150°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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