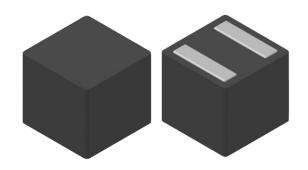


# CMI-CMMPF7070QL-SB SERIES

#### **Features**

- ▶ Metal powder molding type for EMC protection.
- ▶ Lower DCR with applying flat wire.
- ▶ Available tape and reel for auto insertion.
- ► Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.

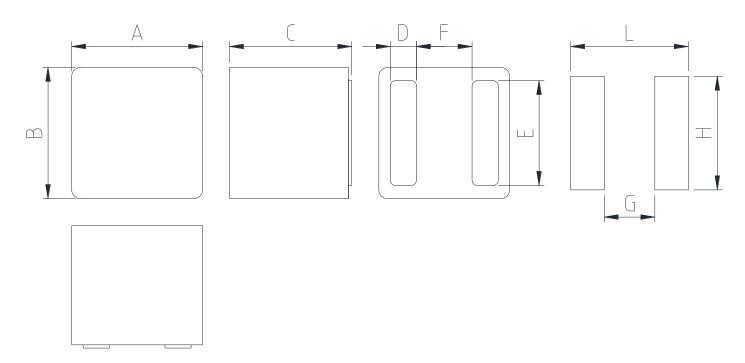


#### **Applications**

▶ Equipment using for automobiles (ECM, Airbags, Headlights, Electronic Power steering, Motors, ABS, other)

## **Dimension (Unit:mm)**

## Land Pattern (Unit:mm)



Α	В	С	D	Е	F	G	Н	L
7.5 ±0.2	7.5 ±0.2	7.0 Max.	1.5 ±0.2	6.0 Typ.	3.2 Typ.	2.90	6.50	6.74

- You can also contact us by e-mail: coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date: 2022.07.18

### Regulation of part number

	CMI	_	СММРЕ	7070	QL	_	3R3	М	_	SB	
•	(1)	_	(2)	(3)	<b>(4</b> )	_	(5)	<b>6</b>	_	(7)	

- ① CoilMaster's initial
- 2) Series Name: Car Metal Molded Power inductor Flat wire type.
- 3 Core Size (unit:mm)
- 4 Material
- (5) Typical inductance value (3.3uH)
- 6 Inductance tolerance (±20%)
- 7 Type (SB)

#### **Specifications**

Part Number	Inductance (uH) ±20%	DCR(mohm) Max.(Typ.)	lsat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-CMMPF7070QL-3R3M-SB	3.3	10.56(8.8)	18.5(19.5)	14.5(15.5)	1 <i>M</i>

- 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 ~ +165°c

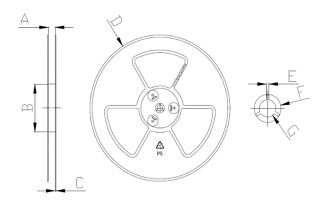
Note 1: Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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## **Packaging**

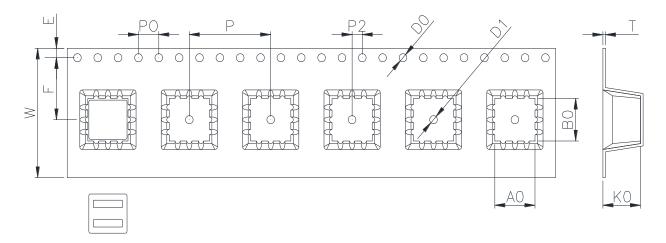
#### (1) Package quantity: 500 (pcs/reel)

## (2) Reel Dimensions (unit:mm)



Α	В	С	D	E	F	G
24.50	100.0	2.00	330.0	2.30	21.50	13.00
+0.50	+1.00	+0.20	+3.00	+0.30	+0.30	+0.50
-0.50	-1.00	-0.20	-3.00	-0.30	-0.30	-0.20

#### (3) Tape Dimensions



W	Α0	ВО	KO	Е	F	Р	P0	P2	D0/D1	T
24.00	7.90	7.90	7.40	1.75	11.50	16.00	4.00	2.00	1.50	0.50
+0.30	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.05
-0.30	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

Korea Sales Office (KOREA)

+82)31-904-1444

H.K Sales Office (HONGKONG) +852)2711-5551

LA Sales Office (USA)

China Sales Office (CHINA)

+86)0758-683-1444

+1)714-616-6989

Hungary Sales office (EUROPE) +36)1-404-5832

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<sup>•</sup> You can also contact us by e-mail : coilmaster@coilmaster.com