COILMASTER Power over Coax INDUCTOR

CMI-CPOC3225V-B SERIES

Features

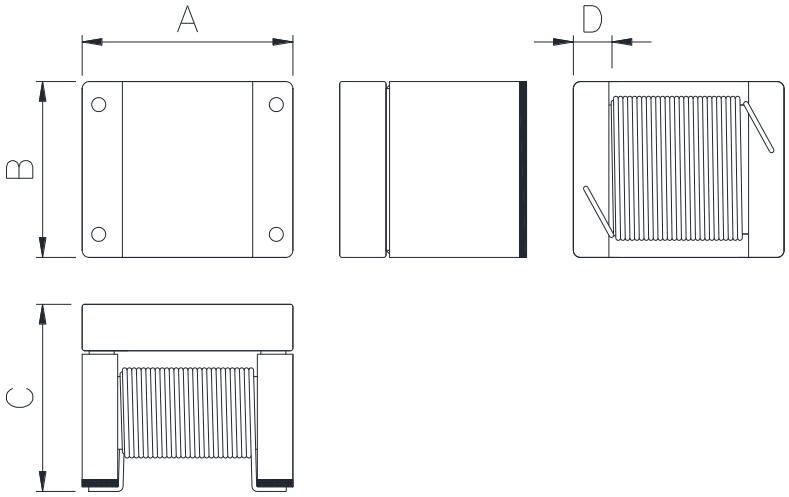


- SMD Inductor.
- Automotive Broadband Inductor.
- Simple and Shield structure.
- Solder free design.
- RoHS compliant.
- AEC-Q200 qualified.

Applications

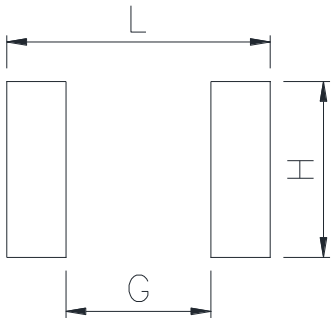
- Inductor for use with separate signal and power lines in in-vehicle Power over Coax.

Dimension (Unit:mm)



A	B	C	D
3.2 ±0.2	2.5 ±0.2	2.3 ±0.2	0.58 Typ.

Land Pattern (Unit:mm)



L	G	H
4.0	2.2	2.5

▪ **You can also contact us by e-mail: coilmaster@coilmaster.com**

▪ All specifications are subject to change without notice.
▪ Update date: 2026.11.18 (Rev.0.0)

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Regulation of part number

CMI	-	CPOC	3225	V	-	2R2	M	-	B
①		②	③	④		⑤	⑥		⑦

① CoilMaster's initial

② Series Name : Car Power over Coax Inductor

③ Core Size (unit:mm)

④ Type

⑤ Typical inductance value (2.2 uH)

⑥ Inductance tolerance (±20%)

⑦ Internal Code (B)

Specifications

Part Number	L(uH) ±20%	DCR (ohm) Max.	Isat (mA) Typ.	Irms (mA) Typ.	SRF (MHz) Min.
CMI-CPOC3225V-2R2M-B	2.2	0.19	1000	1000	200
CMI-CPOC3225V-4R7M-B	4.7	0.28	850	850	100
CMI-CPOC3225V-100M-B	10	0.40	500	700	100
CMI-CPOC3225V-220M-B	22	0.62	400	550	50
CMI-CPOC3225V-470M-B	47	0.90	300	500	30

- Inductance tested at 1 MHz, 1 Vrms
- Rating DC current: Temperature rise(△T) is 40 ˚c approximately at Irms.
- Operating Temperature Range(including self temperature): -40˚c ~ +85 ˚c
- Storage Temperature Range: -10˚c ~ +40 ˚c R.H.: 60% Max.
- Moisture sensitivity level (MSL 1)

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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