

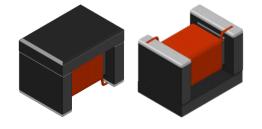




CMI-CPOC4532V-SERIES

Features

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

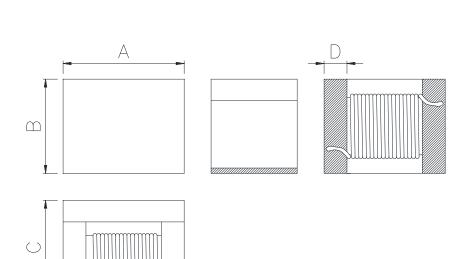


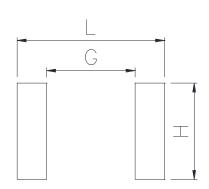
Applications

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

Dimension (Unit:mm)

Land Pattern (Unit:mm)





Α	В	С	D	
4.5±0.2	3.2±0.2	3.5±0.2	0.8±0.5	

L	G	Н		
4.9	2.94	3.2		

- You can also contact us by e-mail: coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date: 2022.02.17

Regulation of part number

CMI	-	CPOC	4532	٧	_	180	М
1	='	2	3	4	_	(5)	6

- 1 CoilMaster's initial
- 2) Series Name: Car Power over Coax Inductor
- 3 Core Size (unit:mm)
- 4 Type
- (18.0 uH)
- 6 Inductance tolerance (±20%)

Specifications

	Inductance (uH) ±20%	DCR (ohm) Max.	Rated Current (mA)			Self
Part Number			Ambient Temerature 25 °C	Ambient Temerature 105 °C	Ambient Temerature 125 ℃	Resonant Frequency (MHz) Min.
CMI-CPOC4532V-100M	10	0.13	1000	1000	710	60
CMI-CPOC4532V-180M	18	0.16	800	845	600	40
CMI-CPOC4532V-220M	22	0.18	700	700	500	30

- Test temperature: 1 MHz
- Rated Current: When rated current is applied to the products, inductacne will be within ±30% of nominal inductance value. Temperature rise caused by self-generated heat shall be limited to 40°C max.
- 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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