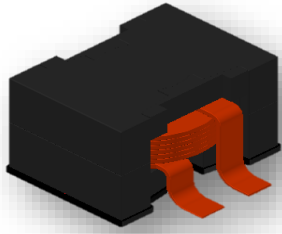


# CMI-CPQ2012-SERIES



## Picture



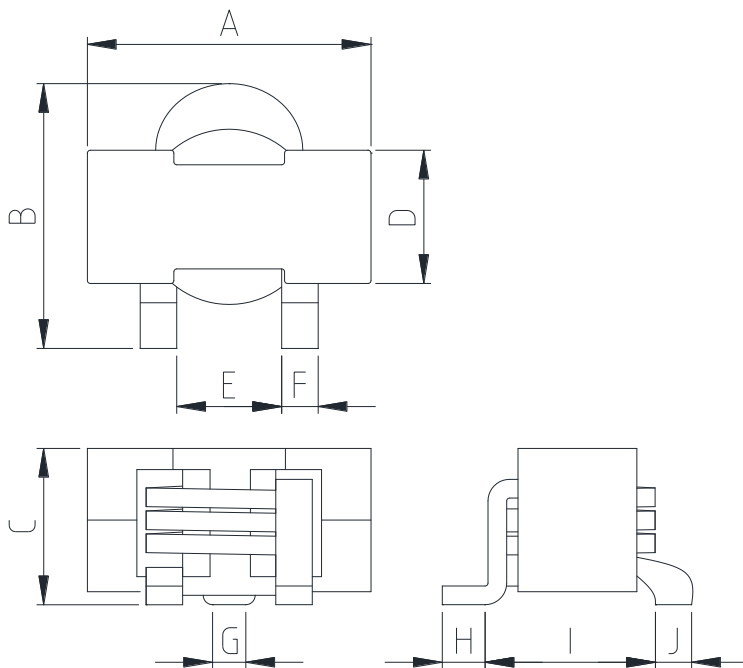
## Features

- ▶ Magnetically shielded
- ▶ High current and low profile.
- ▶ Flat wire wound
- ▶ Extra solder pad for increased mechanical stability
- ▶ RoHS compliant
- ▶ AEC-Q200 qualified.

## Applications

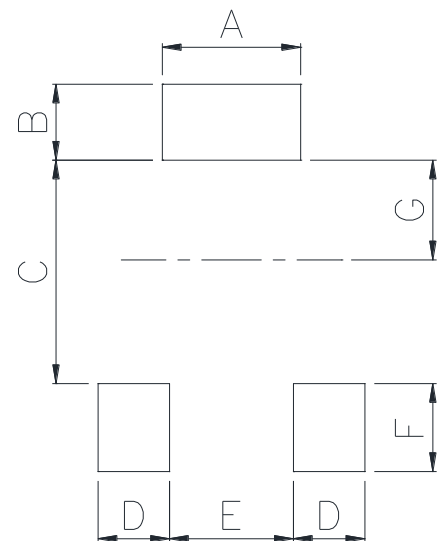
- ▶ Equipment using for automobiles (ECM, Airbags, Headlights, Electronic Power Steering, Motors, ABS, other)

## Dimension (Unit:mm)



A	B	C	D	E
19.18±0.51	18.70±0.86	11.94 Max	9.27±0.51	7.90±0.38
F	G	H	I	J
2.54±0.076	3.30 ref.	3.18 ref.	13.08±0.37	2.54 ref.

## Land Pattern (Unit:mm)



A	B	C	D
7.37	4.06	11.94	3.81
E	F	G	
6.60	4.70	5.33	

- 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 : 2022.01.24

## Specifications

Part No.	Inductance ( $\mu$ H) $\pm 20\%$	DCR (m $\Omega$ ) Max.(Typ.)	Isat (A)	Itemp (A)		SRF (MHz) Typ.
			10% drop	20 °C rise	40 °C rise	
CMI-CPQ2012-R60M	0.60	1.60(1.44)	97	25	35	115
CMI-CPQ2012-R68M	0.68	1.60(1.44)	85	25	35	103
CMI-CPQ2012-R80M	0.80	1.60(1.44)	75	25	35	91
CMI-CPQ2012-R90M	0.90	1.60(1.44)	69	25	35	85
CMI-CPQ2012-1R0M	1.00	1.60(1.44)	64	25	35	75
CMI-CPQ2012-1R2M	1.20	1.60(1.44)	54	25	35	73
CMI-CPQ2012-1R3M	1.30	1.60(1.44)	50	25	35	68
CMI-CPQ2012-1R5M	1.50	1.60(1.44)	42	25	35	59
CMI-CPQ2012-2R0M	2.00	1.60(1.44)	35	25	35	51

- Inductance measured at 100kHz, 0.1Vrms
- Isat1 : DC current at 25°C that causes a 10% (typ) inductance drop from its value without current.
- Itemp : Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- Ambient temperature -40°C to +85°C with (40°C rise) Itemp current.
- Maximum part temperature +125°C (ambient + temp rise). Derating.
- Storage temperature Component: -40°C to +125°C.

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