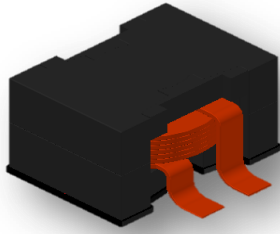


# CMI-CPQ2009-SERIES



## Picture



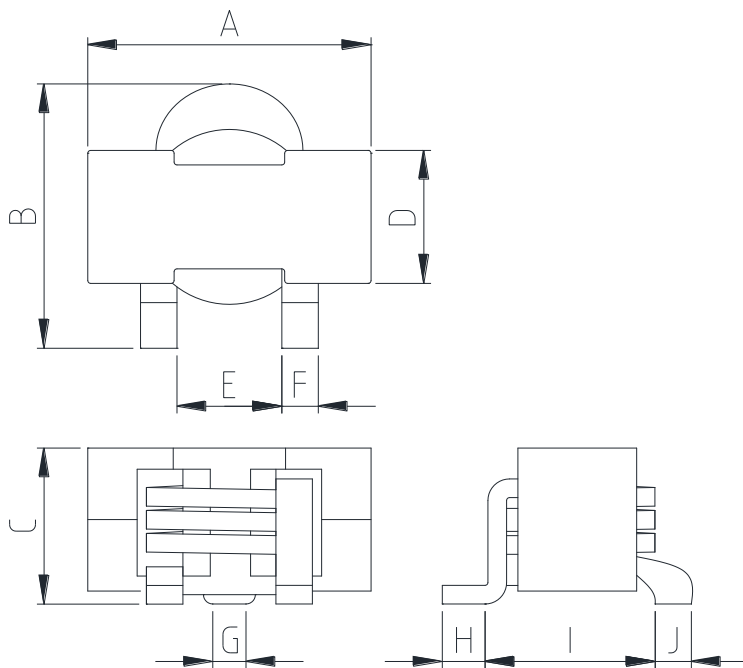
## Features

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

## Applications

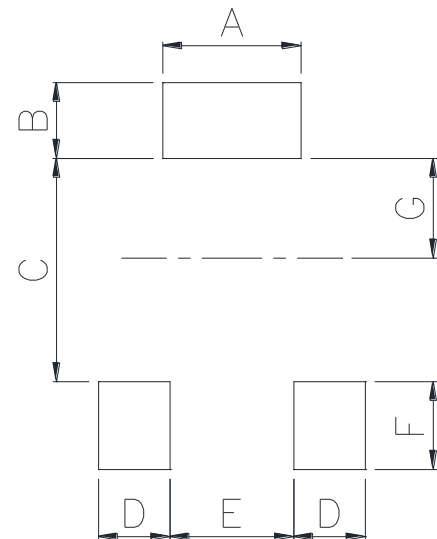
- ▶ Equipment using for automobiles (ECM, Airbags, Headlights, Electronic Power Steering, Motors, ABS, other)

## Dimension (Unit:mm)



A	B	C	D	E
19.18±0.51	18.70±0.86	8.64 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 : 2018.04.30

## Specifications

Part No.	Inductance ( $\mu$ H) $\pm 20\%$	DCR (m $\Omega$ ) Max.(Typ.)	Isat (A)	Irms (A)		SRF (MHz) Typ.
			10% drop	20 °c rise	40 °c rise	
CMI-CPQ2009-R30M	0.30	0.74(0.63)	100	41	54	550
CMI-CPQ2009-R50M	0.50	0.74(0.63)	60	41	54	544
CMI-CPQ2009-R60M	0.60	0.74(0.63)	49	41	54	648
CMI-CPQ2009-R68M	0.68	0.74(0.63)	45	41	54	454
CMI-CPQ2009-R80M	0.80	0.74(0.63)	38	41	54	567
CMI-CPQ2009-R90M	0.90	0.74(0.63)	33	41	54	557
CMI-CPQ2009-1R0M	1.00	0.74(0.63)	29	41	54	488
CMI-CPQ2009-1R2M	1.20	0.74(0.63)	28	41	54	81
CMI-CPQ2009-2R0M	2.00	0.74(0.63)	16	41	54	40

- Inductance measured at 100kHz, 0.1Vrms
- Isat1 : DC current at 25°C that causes a 10% (typ) inductance drop from its value without current.
- Irms : 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) Irms current.
- Maximum part temperature +125°C (ambient + temp rise). Derating.
- Storage temperature Component: -40°C to +125°C.

Ilsan Sales Office (KOREA) +82)31-904-1444  
 Shenzhen Sales Office (CHINA) +86)755-8663-6929  
 Hungary Sales office (EUROPE) +36)30-913-7706

H.K Sales Office (HONGKONG) +852)2711-5551  
 LA Sales Office (USA) +1)866-446-3586

▪ **You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)**

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