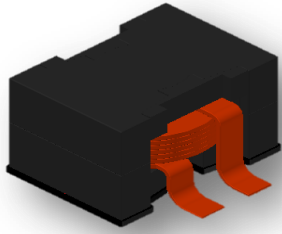


# CMI-CPQ2013-SERIES



## Picture



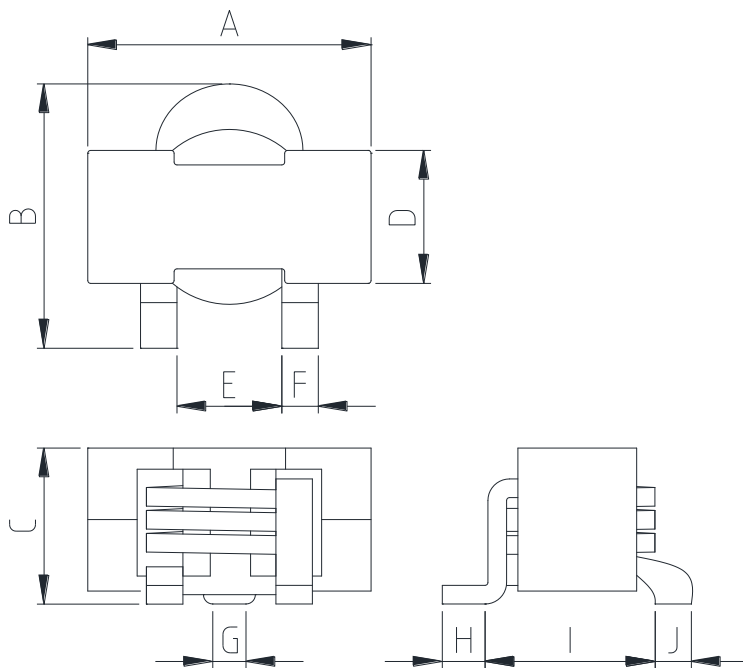
## Features

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

## Applications

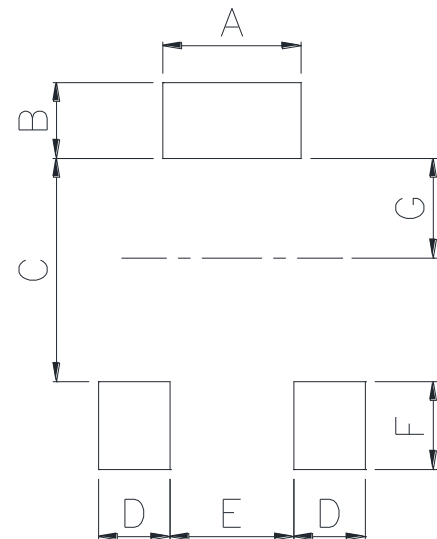
- ▶ Equipment using for automobiles (ECM, Airbags, Headlights, Electronic Power Steering, Motors, ABS, other)

## Dimension (Unit:mm)



A	B	C	D	E
19.18±0.51	18.70±0.86	12.95 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)	Itemp (A)		SRF (MHz) Typ.
			10% drop	20 °C rise	40 °C rise	
CMI-CPQ2013-R68M	0.68	1.82(1.70)	98	23	30	104
CMI-CPQ2013-R80M	0.80	1.82(1.70)	85	23	30	93
CMI-CPQ2013-R90M	0.90	1.82(1.70)	73	23	30	98
CMI-CPQ2013-1R0M	1.00	1.82(1.70)	68	23	30	98
CMI-CPQ2013-1R2M	1.20	1.82(1.70)	58	23	30	82
CMI-CPQ2013-2R0M	2.00	1.82(1.70)	40	23	30	61
CMI-CPQ2013-3R6M	3.6	1.82(1.70)	25	23	30	38
CMI-CPQ2013-4R0M	4.0	1.82(1.70)	20	23	30	35
CMI-CPQ2013-4R7M	4.7	1.82(1.70)	18	23	30	30

- 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  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  with (40°C rise) Itemp current.
- Maximum part temperature  $+125^{\circ}\text{C}$  (ambient + temp rise). Derating.
- Storage temperature Component:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

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)**

- All specifications are subject to change without notice.
- Update date : 2018.04.30

[www.coilmaster.com](http://www.coilmaster.com)