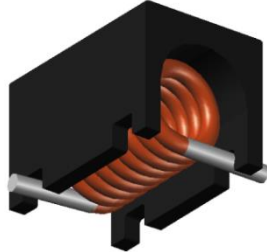


# CMI-SC0504-SERIES

### Features

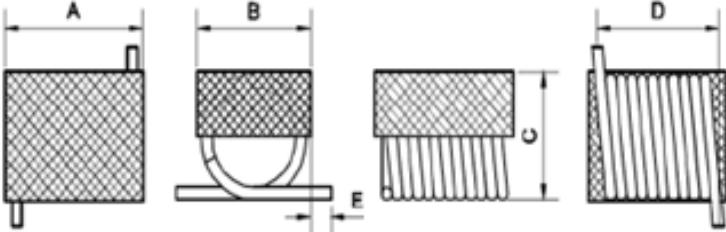
- ▶ High Q over a wide frequency range
- ▶ Tinned leads assure reliable soldering
- ▶ Standard EIA tape and reel packing
- ▶ Forms a flat top making them suitable for automatic placement and reflow.
- ▶ RoHS compliant/ Halogen Free.



### Applications

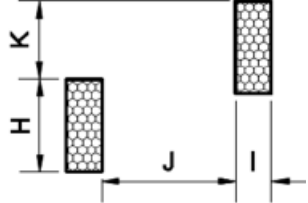
- ▶ Satellite communication systems, equipment (TV, STB, audio, etc)

### Dimension (Unit:mm)



A	B	C	D	E
4.95Max	3.81Max	4.20Max	4.32±0.39	1.53±0.39

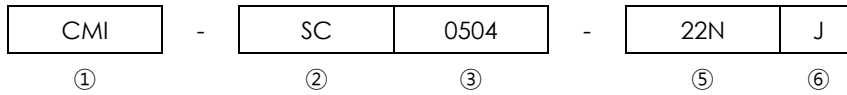
### Land Pattern (Unit:mm)



L	I	J	K
5.16	1.48	2.85	2.62

▪ 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 : 2023.05.10

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Spring Coil inductor
- ③ Core Size (unit:mm)
- ④ Typical inductance value (22 nH)
- ⑤ Inductance tolerance ( $\pm 5\%$ )

## Specifications

Part Number	Inductance (nH)	Quality Factor Min	TEST Freq. (MHz)	SRF(MHz) Min.	DCR (mohm) Max.	Rated DC Current(A) Max.
CMI-SC0504-22NJ	22	100	150	3200(ref)	4.00	3.5
CMI-SC0504-27NJ	27	100	150	2700(ref)	4.20	3.0
CMI-SC0504-33NJ	33	100	150	2500(ref)	4.40	3.0
CMI-SC0504-39NJ	39	100	150	2100	4.80	3.0
CMI-SC0504-47NJ	47	100	150	2100	5.60	3.0
CMI-SC0504-56NJ	56	100	150	1500	6.20	3.0
CMI-SC0504-68NJ	68	100	150	1500	8.20	2.5
CMI-SC0504-82NJ	82	100	150	1300	9.40	2.5
CMI-SC0504-R10J	100	100	150	1200	12.3	1.7
CMI-SC0504-R12J	120	100	150	1100	17.3	1.5

- Rated DC Current : The current when temperature of coil increases up to Max.
- Operating Temperature Range(including self temperature) : -40°C ~ +125 °C

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Hungary Sales office (EUROPE)	+36)1-404-5832		

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