

CMI-RWCI1 608-SERIES

Features

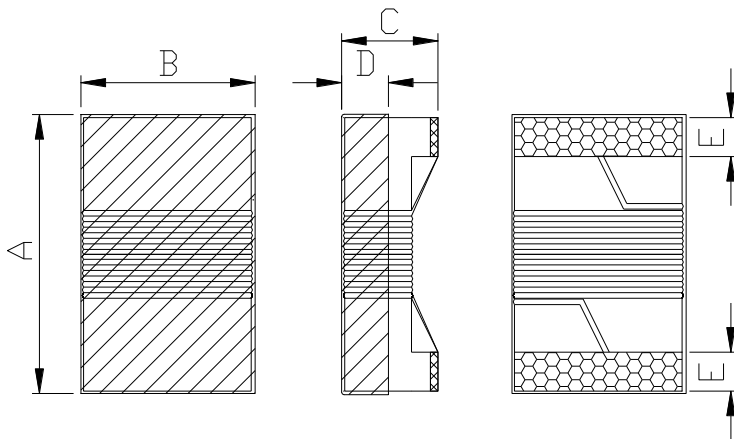
- ▶ Halogen-Free / RoHS compliant.
- ▶ Support operating frequency up to 10GHz.
- ▶ Provide high quality factor.
- ▶ Monolithic structure for high reliability.
- ▶ Excellent solderability and high heat resistance for either flow or reflow soldering.



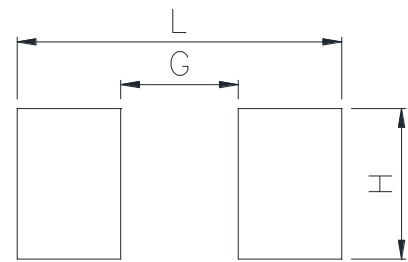
Applications

- ▶ RF circuit and module.
- ▶ Tablet, Notebook, Desktop computers and peripheral equipment
- ▶ DSC, DVC, LCD Television, Set Top Box.
- ▶ Mobile phone, Smart phone, PND
- ▶ Digital communication equipment
- ▶ Various electronic equipment.

Dimension (Unit:mm)



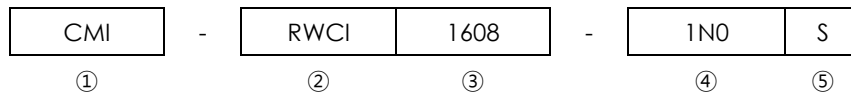
Land Pattern (Unit:mm)



A	B	C	D	E	L	G	H
1.6±0.2	1.05±0.2	1.05±0.2	0.5	0.35±0.1	2.6	0.6	0.8

- You can also contact us by e-mail : 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 Product Series Name
- ③ Core Size (unit:mm)
- ④ Inductance Value (1N0 : 1.0 nH)
- ⑤ Inductance Tolerance (S : ±0.3nH, G : ±2%, J : ±5%, K : ±10%, M : ±20%)

Specifications

Part Number	L (nH)	Q Min.	Test Frequency (MHz)	Q Typ. @900MHz	SRF (MHz) Min.	DC Resistance (ohm) Max.	Rated Current (mA) Max.
CMI-RWCI1608-2N0B,S	2.0	16	250	31	6900	0.08	700
CMI-RWCI1608-3N9B,S	3.9	22	250	51	6900	0.08	700
CMI-RWCI1608-4N7B,S	4.7	20	250	47	5800	0.13	700
CMI-RWCI1608-6N8B,J,K	6.8	30	250	63	5800	0.11	700
CMI-RWCI1608-8N2B,J,K	8.2	30	250	72	4600	0.10	700
CMI-RWCI1608-10NG,J,K	10	30	250	66	3800	0.13	700
CMI-RWCI1608-12NG,J,K	12	35	250	72	4000	0.13	700
CMI-RWCI1608-15NG,J,K	15	35	250	68	4000	0.17	700
CMI-RWCI1608-18NG,J,K	18	38	250	77	3100	0.17	700
CMI-RWCI1608-22NG,J,K	22	38	250	70	3000	0.22	700
CMI-RWCI1608-27NG,J,K	27	40	250	75	2800	0.22	600
CMI-RWCI1608-33NG,J,K	33	43	250	78	2300	0.22	600
CMI-RWCI1608-39NG,J,K	39	43	250	66	2200	0.25	600
CMI-RWCI1608-47NG,J,K	47	40	200	65	2000	0.28	600
CMI-RWCI1608-56NG,J,K	56	40	200	66	1900	0.31	600
CMI-RWCI1608-68NG,J,K	68	40	200	57	1700	0.34	00
CMI-RWCI1608-72NG,J,K	72	35	150	60	1700	0.49	400
CMI-RWCI1608-82NG,J,K	82	35	150	58	1700	0.54	400
CMI-RWCI1608-R10G,J,K	100	35	150	51	1400	0.63	400
CMI-RWCI1608-R12G,J,K	120	35	150	45	1300	0.65	300

- You can also contact us by e-mail : coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date : 2023.05.10

Part Number	L (nH)	Q Min.	Test Frequency (MHz)	Q Typ. @900MHz	SRF (MHz) Min.	DC Resistance (ohm) Max.	Rated Current (mA) Max.
CMI-RWC11608-R15G,J,K	150	35	150	33	1000	0.92	280
CMI-RWC11608-R18G,J,K	180	30	100	26	1000	1.25	240
CMI-RWC11608-R22G,J,K	220	30	100	23	1000	1.70	200
CMI-RWC11608-R27G,J,K	270	30	100	10	1000	1.80	170

- Rated Current : the DC current value having temperature increased 40 °c after thru DC current 2 hours at ambient temperature.
- Storage Temperature Range : -40°c ~ +85 °c
- Operating Temperature Range : -40°c ~ +85 °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.

Korea Sales Office (KOREA)	+82)31-904-1444	H.K Sales Office (HONGKONG)	+852)2711-5551
China Sales Office (CHINA)	+86)0758-683-1444	LA Sales Office (USA)	+1)714-616-6989
Hungary Sales office (EUROPE)	+36) 1-404-5832		

- **You can also contact us by e-mail : coilmaster@coilmaster.com**
- All specifications are subject to change without notice.
- Update date : 2023.05.10