

WWCI Series

SMD Wire Wound Ceramic Inductor

Size 0603



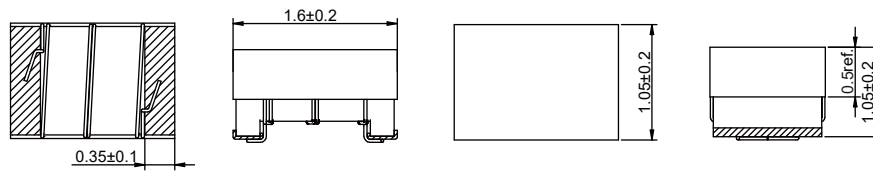
CHARACTERISTICS

- Wire wound with high Q and high SRF
- More stable due to ceramic design
- Small size and small tolerance available
- Quantity: 3000pcs

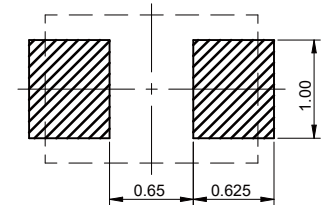
APPLICATION

- HF application

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (nH)	Test Condition @MHz	Tolerance	Q Min.	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Min. (MHz)
WWCI0603-1N8B	1.8	250	±0.2 nH	16	700	0.045	12500
WWCI0603-2N0B	2	250	±0.2 nH	16	700	0.08	6900
WWCI0603-3N3J	3.3	250	±5%	35	700	0.045	6000
WWCI0603-3N6J	3.6	250	±5%	22	700	0.07	6000
WWCI0603-3N9J	3.9	250	±5%	22	700	0.07	6900
WWCI0603-4N3J	4.3	250	±5%	22	700	0.07	5900
WWCI0603-4N7J	4.7	250	±5%	20	700	0.08	5800
WWCI0603-5N1J	5.1	250	±5%	18	700	0.15	5700
WWCI0603-5N6J	5.6	250	±5%	16	700	0.15	5500
WWCI0603-6N8J	6.8	250	±5%	30	700	0.11	5800
WWCI0603-7N5J	7.5	250	±5%	28	700	0.1	4800
WWCI0603-8N2J	8.2	250	±5%	28	700	0.1	4700
WWCI0603-8N7J	8.7	250	±5%	28	700	0.1	4600
WWCI0603-10NJ	10	250	±5%	30	700	0.13	3800
WWCI0603-10NG	10	250	±2%	30	700	0.13	3800
WWCI0603-11NJ	11	250	±5%	30	700	0.1	4000
WWCI0603-12NJ	12	250	±5%	35	700	0.13	4000

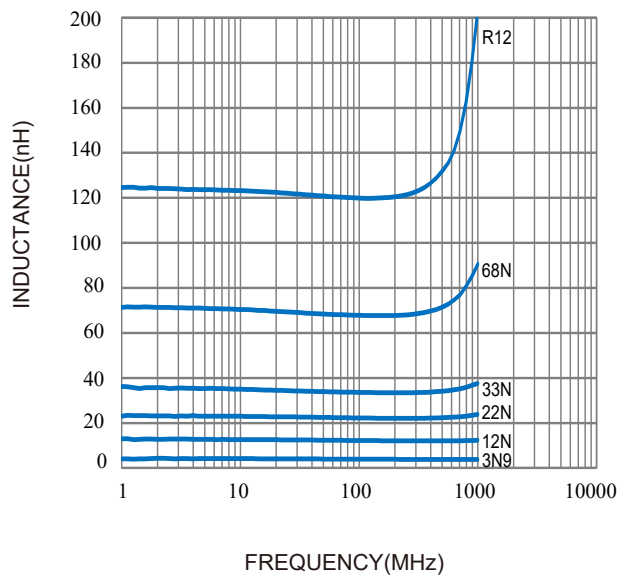
Part No	Inductance (nH)	Test Condition @MHz	Tolerance	Q Min.	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Min. (MHz)
WWCI0603-12NG	12	250	±2%	35	700	0.13	4000
WWCI0603-15NJ	15	250	±5%	35	700	0.17	4000
WWCI0603-15NG	15	250	±2%	35	700	0.17	4000
WWCI0603-16NJ	16	250	±5%	34	700	0.17	3300
WWCI0603-16NG	16	250	±2%	34	700	0.17	3300
WWCI0603-18NJ	18	250	±5%	35	700	0.12	3100
WWCI0603-20NJ	20	250	±5%	35	700	0.12	3100
WWCI0603-22NJ	22	250	±5%	38	700	0.22	3000
WWCI0603-22NG	22	250	±2%	38	700	0.22	3000
WWCI0603-24NJ	24	250	±5%	35	700	0.14	2650
WWCI0603-27NJ	27	250	±5%	40	600	0.22	2800
WWCI0603-27NG	27	250	±2%	40	600	0.22	2800
WWCI0603-30NJ	30	250	±5%	45	600	0.22	2300
WWCI0603-30NG	30	250	±2%	45	600	0.22	2300
WWCI0603-33NJ	33	250	±5%	36	600	0.2	2300
WWCI0603-36NJ	36	250	±5%	36	600	0.2	2080
WWCI0603-39NJ	39	250	±5%	36	600	0.21	2200
WWCI0603-47NJ	47	200	±5%	35	600	0.23	2000
WWCI0603-51NJ	51	200	±5%	32	600	0.24	1950
WWCI0603-56NJ	56	200	±5%	32	600	0.25	1900
WWCI0603-68NJ	68	200	±5%	40	600	0.34	1700
WWCI0603-68NG	68	200	±2%	40	600	0.34	1700
WWCI0603-72NJ	72	150	±5%	35	400	0.49	1700
WWCI0603-72NG	72	150	±2%	35	400	0.49	1700
WWCI0603-82NJ	82	150	±5%	30	400	0.58	1700
WWCI0603-R10J	100	150	±5%	35	400	0.63	1400
WWCI0603-R10G	100	150	±2%	35	400	0.63	1400
WWCI0603-R12J	120	150	±5%	35	300	0.65	1300
WWCI0603-R15J	150	150	±5%	35	280	0.92	1000
WWCI0603-R15G	150	150	±2%	35	280	0.92	1000
WWCI0603-R18J	180	100	±5%	25	250	1	990
WWCI0603-R22J	220	100	±5%	25	200	1.8	900
WWCI0603-R27J	270	100	±5%	30	170	1.8	1000
WWCI0603-R33J	330	100	±5%	25	150	2.0	450
WWCI0603-R39J	390	100	±5%	20	170	2.0	350

Operating temperature: -40 to +125°C

Temperature rise current: the actual value of DC current when the temperature rise is ΔT15 °C

Typical Electrical Characteristics:

Inductance VS. Frequency Characteristics:



Temperture Rise VS. Frequency Characteristics:

