

WWCI Series
SMD Wire Wound Ceramic Inductor
Size 1008



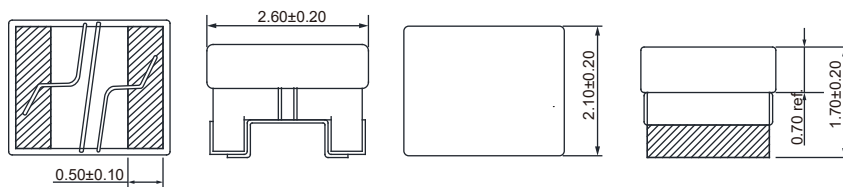
CHARACTERISTICS

- Wire wound with high Q and high SRF
- More stable due to ceramic design
- Small size and small tolerance available
- Quantity: 2000pcs

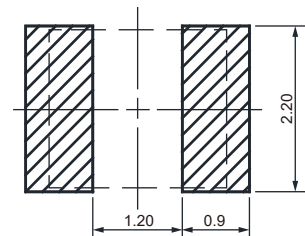
APPLICATION

- HF application

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (nH)	Test Condition @MHz	Tolerance	Q Min.	Test Condition Q @MHz	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Min. (MHz)
WWCI1008-3N3S	3.3	100	±0.3 nH	50	1000	1000	0.06	6000
WWCI1008-6N8J	6.8	100	±5%	50	1000	1000	0.06	5500
WWCI1008-8N2J	8.2	100	±5%	50	1000	1000	0.06	5500
WWCI1008-10NJ	10	100	±5%	50	1000	1000	0.08	4300
WWCI1008-10NG	10	100	±2%	50	1000	1000	0.08	4300
WWCI1008-12NJ	12	100	±5%	60	500	1000	0.08	3600
WWCI1008-12NG	12	100	±2%	60	500	1000	0.08	3600
WWCI1008-15NJ	15	100	±5%	60	500	1000	0.08	2700
WWCI1008-15NG	15	100	±2%	60	500	1000	0.08	2700
WWCI1008-18NJ	18	100	±5%	60	350	1000	0.1	2700
WWCI1008-18NG	18	100	±2%	60	350	1000	0.1	2700
WWCI1008-22NJ	22	100	±5%	60	350	1000	0.1	2500
WWCI1008-22NG	22	100	±2%	60	350	1000	0.1	2500
WWCI1008-27NJ	27	100	±5%	60	350	1000	0.1	1800
WWCI1008-27NG	27	100	±2%	60	350	1000	0.1	1800
WWCI1008-33NJ	33	100	±5%	60	350	1000	0.1	1700

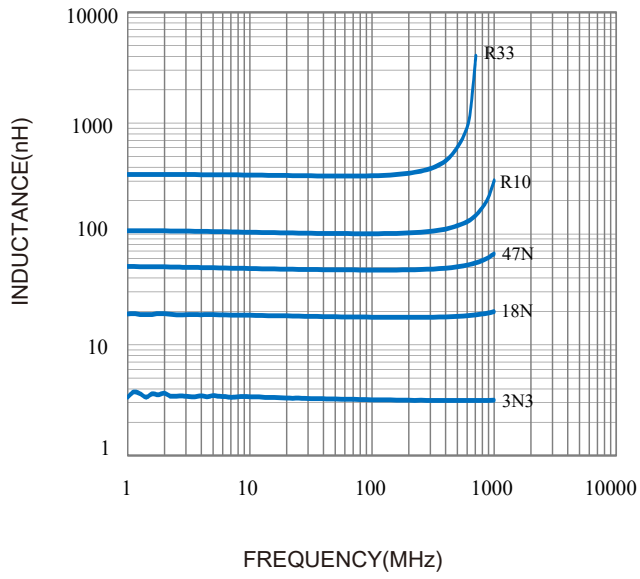
Part No	Inductance (nH)	Test Condition @MHz	Tolerance	Q Min.	Test Condition Q @MHz	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Min. (MHz)
WWCI1008-33NG	33	100	±2%	60	350	1000	0.1	1700
WWCI1008-39NJ	39	100	±5%	60	350	1000	0.1	1500
WWCI1008-39NG	39	100	±2%	60	350	1000	0.1	1500
WWCI1008-47NJ	47	100	±5%	60	350	1000	0.1	1500
WWCI1008-47NG	47	100	±2%	60	350	1000	0.1	1500
WWCI1008-56NJ	56	100	±5%	60	350	1000	0.12	1350
WWCI1008-56NG	56	100	±2%	60	350	1000	0.12	1350
WWCI1008-68NJ	68	100	±5%	60	350	1000	0.15	1300
WWCI1008-68NG	68	100	±2%	60	350	1000	0.15	1300
WWCI1008-82NJ	82	100	±5%	60	350	1000	0.18	1100
WWCI1008-82NG	82	100	±2%	60	350	1000	0.18	1100
WWCI1008-R10J	100	100	±5%	60	350	1000	0.18	1100
WWCI1008-R10G	100	100	±2%	60	350	1000	0.18	1100
WWCI1008-R12J	120	25.2	±5%	45	100	800	0.2	950
WWCI1008-R12G	120	25.2	±2%	45	100	800	0.2	950
WWCI1008-R15J	150	25.2	±5%	45	100	800	0.22	880
WWCI1008-R15G	150	25.2	±2%	45	100	800	0.22	880
WWCI1008-R18J	180	25.2	±5%	45	100	800	0.33	800
WWCI1008-R18G	180	25.2	±2%	45	100	800	0.33	800
WWCI1008-R22J	220	25.2	±5%	45	100	800	0.45	730
WWCI1008-R22G	220	25.2	±2%	45	100	800	0.45	730
WWCI1008-R27J	270	25.2	±5%	45	100	600	0.75	650
WWCI1008-R27G	270	25.2	±2%	45	100	600	0.75	650
WWCI1008-R33J	330	25.2	±5%	45	100	500	0.9	570
WWCI1008-R33G	330	25.2	±2%	45	100	500	0.9	570
WWCI1008-R39J	390	25.2	±5%	45	100	470	1.06	530
WWCI1008-R39G	390	25.2	±2%	45	100	470	1.06	530
WWCI1008-R47J	470	25.2	±5%	45	100	420	1.17	480
WWCI1008-R47G	470	25.2	±2%	45	100	420	1.17	480
WWCI1008-R56J	560	25.2	±5%	45	100	310	1.5	430
WWCI1008-R56G	560	25.2	±2%	45	100	310	1.5	430
WWCI1008-R68J	680	25.2	±5%	45	100	230	2.06	380
WWCI1008-R68G	680	25.2	±2%	45	100	230	2.06	380
WWCI1008-R82J	820	25.2	±5%	45	100	180	2.3	350
WWCI1008-R82G	820	25.2	±2%	45	100	180	2.3	350
WWCI1008-1R0J	1000	25.2	±5%	35	50	120	3.3	310
WWCI1008-1R0G	1000	25.2	±2%	35	50	120	3.3	310

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:



Temperature Rise VS. Frequency Characteristics:

