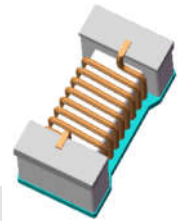


Wire Wound Chip Ceramic Inductors – WCWCI-C Series

Operating Temp. : -40°C~+125°C (Including self-heating)



FEATURES

- Small chip suitable for surface mounting
- High Q value and high self-resonant frequency with ceramic material
- Tight inductance tolerance and high reliability
- Single-sided package, thinner than WCWCI-C series

APPLICATIONS

- High frequency circuit in telecommunication and other equipments
- Mobile phones such as GSM, CDMA, TD-LTE, FDD-LTE, PDC, 5G NR, etc.
- Bluetooth, W-LAN, Broadband network

PRODUCT IDENTIFICATION

WCWCI

①

0402

②

C

③

10N

④

J

⑤

I

⑥

① Type	
WCWCI	Wire Wound Chip Inductor

② External Dimensions	
1005[0402]	
1608[0603]	

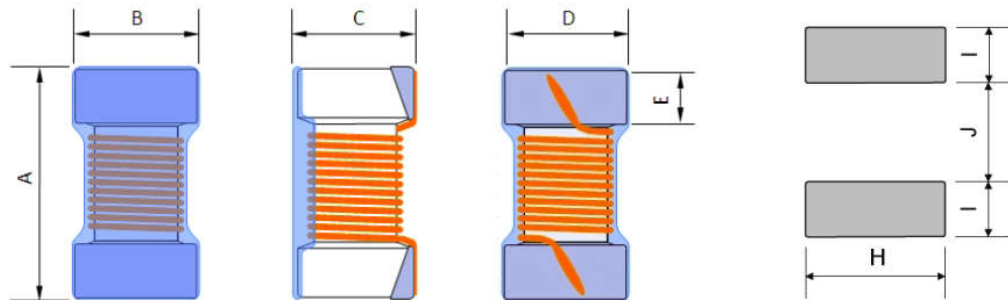
③ Material Code	
C	Ceramic

④ Nominal Inductance	
Example	Nominal Value
4N7	4.7nH
10N	10nH
R10	100nH

⑤ Inductance Tolerance	
B	±0.1nH
C	±0.2nH
S	±0.3nH
D	±0.5nH
G	±2%
H	±3%
J	±5%
K	±10%

⑥ Packing	
T	Tape & Reel

SHAPE AND DIMENSIONS



Unit: mm

Series	A	B	C	D	E	H	I	J
WCWCI0402C	1.1±0.1	0.6±0.1	0.55 ±0.1	0.5±0.1	0.2±0.1	0.65	0.35	0.50
WCWCI0603C	1.80 Max.	1.20 Max.	1.0 Max.	0.90 typ.	0.30 Ref	1.15 Ref	0.64 Ref	0.64 Ref

CWCI0402C Series

Part No.	Inductance	Tolerance	Min. Quality Factor	L/Q Test Freq.	Max.DC Resistance	Max.Rated Current	Min. Self-resonant Frequency
	nH	-	-	MHz	Ω	mA	MHz
	L	-	Q	Freq.	DCR	I _r	S.R.F
WCWCI0402C-0N8□T	0.8	B,C,S,D,K	14	250	0.035	1000	>6000
WCWCI0402C-1N0□T	1.0	B,C,S,D,K	10	250	0.085	650	>6000
WCWCI0402C-1N8□T	1.8	C,S,D,J,K	20	250	0.043	950	>6000
WCWCI0402C-2N0□T	2.0	C,S,D,J,K	23	250	0.043	950	>6000
WCWCI0402C-2N2□T	2.2	C,S,D,J,K	22	250	0.058	820	>6000
WCWCI0402C-2N4□T	2.4	C,S,D,J,K	18	250	0.091	650	>6000
WCWCI0402C-3N6□T	3.6	B,C,S,D,G	20	250	0.063	790	>6000
WCWCI0402C-5N6□T	5.6	B,C,S,D,J,K	25	250	0.078	710	>6000
WCWCI0402C-10N□T	10	G,H,J,K	24	250	0.15	510	5500

CWCI0603C Series

Part No.	Inductance	Tolerance	Min. Quality Factor	L/Q Test Freq.	Max.DC Resistance	Max.Rated Current	Min. Self-resonant Frequency
	nH	-	-	MHz	Ω	mA	MHz
	L	-	Q	Freq.	DCR	Ir	S.R.F
CWCI0603C-1N6□T	1.6	G,H,J,K	22	250	0.035	1150	>6000
CWCI0603C-2N7□T	2.7	G,H,J,K	25	250	0.043	1000	>6000
CWCI0603C-3N3□T	3.3	G,H,J,K	25	250	0.059	850	>6000
CWCI0603C-3N6□T	3.6	G,H,J,K	25	250	0.059	850	>6000
CWCI0603C-3N9□T	3.9	G,H,J,K	25	250	0.059	850	>6000
CWCI0603C-4N7□T	4.7	G,H,J,K	25	250	0.065	800	>6000
CWCI0603C-6N8□T	6.8	G,H,J,K	29	250	0.095	700	>6000
CWCI0603C-8N2□T	8.2	G,H,J,K	31	250	0.095	700	>6000
CWCI0603C-10N□T	10	G,H,J,K	30	250	0.130	600	6000
CWCI0603C-12N□T	12	G,H,J,K	35	250	0.130	600	6000
CWCI0603C-15N□T	15	G,H,J,K	37	250	0.150	550	6000
CWCI0603C-16N□T	16	G,H,J,K	37	250	0.150	550	5500
CWCI0603C-20N□T	20	G,H,J,K	37	250	0.150	550	4900
CWCI0603C-22N□T	22	G,H,J,K	38	250	0.190	490	4600
CWCI0603C-23N□T	23	G,H,J,K	40	250	0.190	490	3800
CWCI0603C-27N□T	27	G,H,J,K	38	250	0.190	490	3700
CWCI0603C-33N□T	33	G,H,J,K	40	250	0.210	470	3200
CWCI0603C-36N□T	36	G,H,J,K	40	250	0.220	460	2900
CWCI0603C-39N□T	39	G,H,J,K	40	250	0.220	460	2800
CWCI0603C-43N□T	43	G,H,J,K	40	250	0.270	400	2700
CWCI0603C-47N□T	47	G,H,J,K	36	200	0.270	400	2600
CWCI0603C-51N□T	51	G,H,J,K	35	200	0.300	390	2400
CWCI0603C-56N□T	56	G,H,J,K	38	200	0.350	360	2400
CWCI0603C-62N□T	62	G,H,J,K	36	200	0.380	350	2300
CWCI0603C-68N□T	68	G,H,J,K	36	200	0.380	350	2200
CWCI0603C-72N□T	72	G,H,J,K	34	150	0.430	320	2100
CWCI0603C-82N□T	82	G,H,J,K	34	150	0.500	300	2000
CWCI0603C-R10□T	100	G,H,J,K	31	150	0.660	260	1800
CWCI0603C-R15□T	150	G,H,J,K	32	150	1.120	200	1400
CWCI0603C-R18□T	180	G,H,J,K	25	100	1.380	180	1300
CWCI0603C-R27□T	270	G,H,J,K	26	100	3.000	120	960
CWCI0603C-R30□T	300	G,H,J,K	28	100	3.500	110	900
CWCI0603C-R33□T	330	G,H,J,K	26	100	4.200	100	800