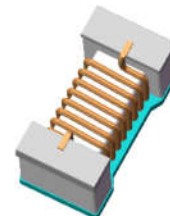


Wire Wound Chip Ferrite Inductors – CWCI-F Series

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



FEATURES

- Utilizing a miniaturized winding structure.
- These products provide low DC resistance and high current.
- Precision inductance tolerance is available.

APPLICATIONS

- Personal computers, Hard disk drives
- XDSL modem and Cable modem
- Digital camera and other electronic equipment.

PRODUCT IDENTIFICATION

WCWCI

①

0805

②

F

③

1R0

④

J

⑤

I

⑥

① Type	
WCWCI	Wire Wound Chip Inductor

② External Dimensions	
	1608[0603]
	2012[0805]

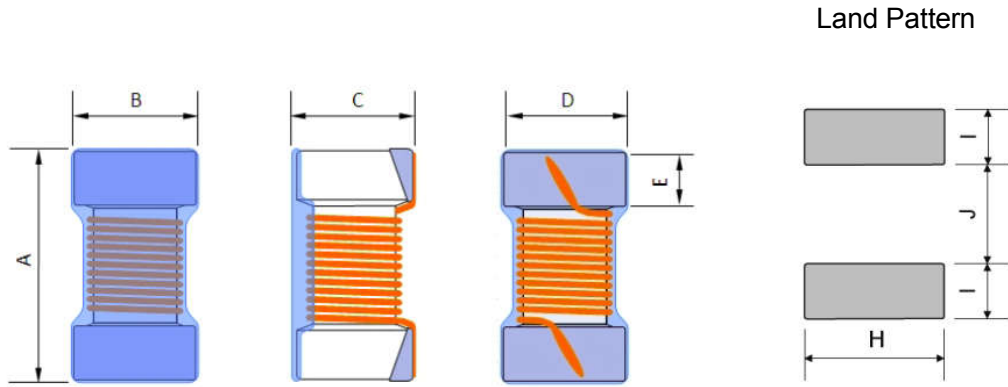
③ Material Code	
C	Ceramic

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
CWCI0603F	1.80 Max.	1.20 Max.	1.0 Max.	0.90 typ.	0.30 Ref	1.15 Ref	0.64 Ref	0.64 Ref
CWCI0805F	2.40Max.	1.65 Max.	1.2±0.1	1.55 typ.	0.48 Ref	1.78 Ref.	1.02 Ref.	0.9 Ref.

CWCI0603F Series

Part No.	L(uH)	Tol.	L Test Freq. MHz	Q Typ.	Q Test Freq MHz	DCR ±30% (Ω)	Idc Typ. (mA)	I rms Typ. (mA)	SRF (MHz) Typ.
WCWCI0603F-R68□T	0.68	J / K	7.9	15	7.9	0.39	1000	800	400
WCWCI0603F-1R0□T	1.0	K / M	7.9	17	7.9	0.37	860	700	390
WCWCI0603F-1R5□T	1.5	J / K	7.9	16	7.9	0.45	720	600	160
WCWCI0603F-1R8□T	1.8	J / K	7.9	16	7.9	0.43	640	580	121
WCWCI0603F-2R2□T	2.2	J / K	7.9	16	7.9	0.56	600	580	103
WCWCI0603F-4R7□T	4.7	J / K	7.9	16	7.9	0.97	400	400	51
WCWCI0603F-5R6□T	5.6	J / K	7.9	16	7.9	1.30	380	380	47
WCWCI0603F-6R8□T	6.8	J / K	7.9	16	7.9	1.50	340	340	43
WCWCI0603F-100□T	10	J / K	2.5	14	2.5	1.85	280	280	36
WCWCI0603F-150□T	15	J / K	2.5	14	2.5	2.60	240	240	29
WCWCI0603F-180□T	18	J / K	2.5	14	2.5	3.30	220	220	28
WCWCI0603F-220□T	22	J / K	2.5	14	2.5	3.61	200	200	24

注:

- 1.: All test data is referenced to 20°C ambient;
- 2.: L. Q. SRF measured with impedance analyzer Agilent E4991A.

WCWC0805F Series

Part	Inductance (uH)	Tolerance	Q TYP	TestFreq (MHz)	DCR(Ω) ±30%	SRF (MHz) TYP	Isat(mA) TYP	Irms(mA) TYP
CWCI0805F-1R0□T	1.0	K,M	14	7.9	0.13	208	1100	1300
CWCI0805F-1R5□T	1.5	K,M	14	7.9	0.17	159	920	1260
CWCI0805F-2R2□T	2.2	K,M	13	7.9	0.22	87	740	1040
CWCI0805F-4R7□T	4.7	K,M	14	7.9	0.43	51	520	840
CWCI0805F-5R6□T	5.6	K,M	12	7.9	0.50	47	480	800
CWCI0805F-6R8□T	6.8	K,M	14	7.9	0.68	46	420	700
CWCI0805F-100□T	10.0	K,M	14	2.5	0.85	31	360	560
CWCI0805F-220□T	22.0	K,M	15	2.5	1.76	20	240	340
CWCI0805F-470□T	47.0	K,M	14	2.5	3.40	15	160	280

注:

- 1.: All test data is referenced to 20°C ambient;
- 2.: L. Q. SRF measured with impedance analyzer Agilent E4991A.