

Product Specification

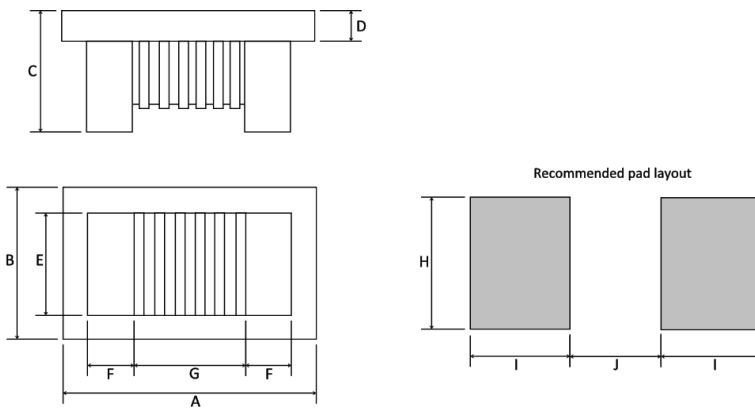


This product is certified to comply with the RoHS Directive 2002/95/EC.

WC0805 Wirewound Ceramic Chip Inductor



- Industry standard 0805 size
- Small size
- High SRF
- Good Q
- Wide inductance range
- Tight tolerance



Size	A	B	C	D	E	F	G	H	I	J
0805	2.29	1.73	1.52	0.51	1.27	0.44	1.02	1.78	1.02	0.76

Measurements in mm

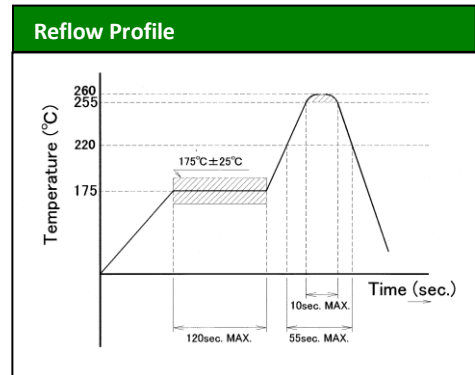
Specification	
Inductance range	2.7 ~ 2700nH
SRF	to 7.9GHz
Q	to 80 @ 250MHz
Temp. range	-40 to +125°C
DCR	From 0.06Ω
Current	to 800mA
Storage temp.	-40 to +125°C

*' suffix denotes RoHS Compliant

Standard packing: 2k per 7" reel (T/R)
Smaller quantities: Bulk

Sample kits and designer kits are available

Ordering Code Guide			
Series Code	Tolerance	Value	RoHS
WC0805	G = ±2%	1N0 = 1nH	*
	J = ±5%	10N = 10nH	
	K = ±10%	R10 = 100nH	
		1R0 = 1uH	



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MAGNA Frequency Components

WC0805 Wirewound Ceramic Chip Inductor

Value Code	Inductance (nH)	Tolerance	L Test Freq. (MHz)	Q Min.	Q Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
2N7	2.7	±5%	250	80	1500	7900	0.06	800
2N8	2.8	±5%	250	80	1500	7900	0.06	800
3N0	3.0	±5%	250	65	1500	7900	0.06	800
3N3	3.3	±5%	250	50	1500	6000	0.08	600
5N6	5.6	±5%	250	65	1000	5500	0.08	600
6N2	6.2	±5%	250	50	1000	5500	0.11	600
6N8	6.8	±10%,+5%,±2%	250	50	1000	5500	0.11	600
7N5	7.5	±10%,+5%,±2%	250	50	1000	4500	0.14	600
8N2	8.2	±10%,+5%,±2%	250	50	1000	4700	0.12	600
8N7	8.7	±10%,+5%,±2%	250	50	1000	4000	0.21	400
10N	10	±10%,+5%,±2%	250	60	500	4200	0.10	600
12N	12	±10%,+5%,±2%	250	50	500	4000	0.15	600
15N	15	±10%,+5%,±2%	250	50	500	3400	0.17	600
18N	18	±10%,+5%,±2%	250	50	500	3300	0.20	600
22N	22	±10%,+5%,±2%	250	55	500	2600	0.22	500
24N	24	±10%,+5%,±2%	250	50	500	2000	0.22	500
27N	27	±10%,+5%,±2%	250	55	500	2500	0.25	500
33N	33	±10%,+5%,±2%	250	60	500	2050	0.27	500
36N	36	±10%,+5%,±2%	250	55	500	1700	0.27	500
39N	39	±10%,+5%,±2%	250	60	500	2000	0.29	500
43N	43	±10%,+5%,±2%	200	60	500	1650	0.34	500
47N	47	±10%,+5%,±2%	200	60	500	1650	0.31	500
56N	56	±10%,+5%,±2%	200	60	500	1550	0.34	500
68N	68	±10%,+5%,±2%	200	60	500	1450	0.38	500
72N	72	±10%,+5%,±2%	150	65	500	1400	0.40	500
82N	82	±10%,+5%,±2%	150	65	500	1300	0.42	400
91N	91	±10%,+5%,±2%	150	65	500	1200	0.48	400
R10	100	±10%,+5%,±2%	150	65	500	1200	0.46	400
R11	110	±10%,+5%,±2%	150	50	250	1000	0.48	400
R12	120	±10%,+5%,±2%	150	50	250	1100	0.51	400
R15	150	±10%,+5%,±2%	100	50	250	920	0.56	400
R18	180	±10%,+5%,±2%	100	50	250	870	0.64	400
R20	200	±10%,+5%,±2%	100	50	250	860	0.66	400
R22	220	±10%,+5%,±2%	100	50	250	850	0.70	400
R24	240	±10%,+5%,±2%	100	44	250	690	1.00	350
R25	250	±10%,+5%,±2%	100	45	250	680	1.00	350
R27	270	±10%,+5%,±2%	100	50	250	650	1.00	350
R30	300	±10%,+5%,±2%	100	48	250	620	1.20	330
R33	330	±10%,+5%,±2%	100	48	250	600	1.40	310
R36	360	±10%,+5%,±2%	100	48	250	580	1.45	300
R39	390	±10%,+5%,±2%	100	48	250	560	1.50	290
R43	430	±10%,+5%,±2%	50	33	100	430	1.70	230
R47	470	±10%,+5%,±2%	50	33	100	375	1.70	220
R56	560	±10%,+5%,±2%	25	23	50	340	1.90	210
R60	600	±10%,+5%,±2%	25	23	50	260	1.60	450
R62	620	±10%,+5%,±2%	25	23	50	220	2.20	210
R68	680	±10%,+5%,±2%	25	23	50	200	2.20	190
R75	750	±10%,+5%,±2%	25	23	50	200	2.30	180
R82	820	±10%,+5%,±2%	25	23	50	200	2.35	180
1R0	1000	±10%,+5%,±2%	25	20	50	100	2.50	170
1R2	1200	±10%,+5%,±2%	7.9	18	25	100	2.50	170
1R5	1500	±10%,+5%,±2%	7.9	16	25	100	2.50	170
1R8	1800	±10%,+5%,±2%	7.9	16	7.9	80	2.50	170
2R2	2200	±10%,+5%,±2%	7.9	16	7.9	60	2.70	160
2R7	2700	±10%,+5%,±2%	7.9	16	7.9	50	3.10	150
3R3	3300	±10%,+5%,±2%	7.9	15	7.9	40	4.40	90
4R7	4700	±10%,+5%,±2%	7.9	15	7.9	40	6.40	90

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