

# Product Specification



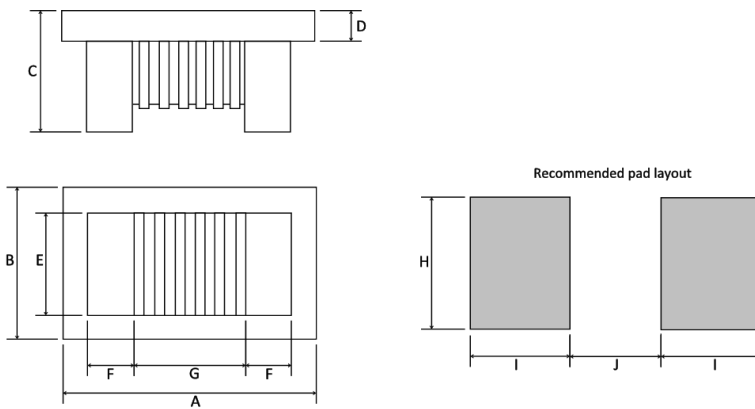
This product is certified to comply with the RoHS Directive 2002/95/EC.



## WC0603P Wirewound Ceramic Chip Inductor



- Industry standard 0603 size
- Small size
- High SRF
- High current
- Wide inductance range
- Tight tolerance



Size	A	B	C	D	E	F	G	H	I	J
0603	1.80	1.12	1.02	0.38	0.76	0.33	0.86	1.02	0.64	0.76

Measurements in mm

### Specification

<b>Inductance range</b>	1.6 ~ 24nH
<b>SRF</b>	to 12.5GHz
<b>Q</b>	to 42
<b>Temp. range</b>	-40 to +125°C
<b>DCR</b>	From 0.03Ω
<b>Current</b>	to 2400mA
<b>Storage temp.</b>	-40 to +125°C

'\*' suffix denotes RoHS Compliant

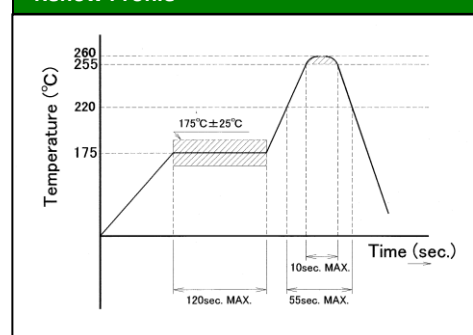
Standard packing: 4k per 7" reel (T/R)  
Smaller quantities: Bulk

Sample kits and designer kits are available

### Ordering Code Guide

Series Code	Tolerance	Value	RoHS
WC0603P	G = ±2%	1N0 = 1nH	*
	J = ±5%	10N = 10nH	
	K = ±10%	R10 = 100nH	
		1R0 = 1uH	

### Reflow Profile



Issue 2 14/12/10

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**MAGNA** Frequency Components

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Value Code	Inductance (nH)	Tolerance	Test Frequency (MHz)	Q Min.	SRF Min. (GHz)	Test Freq. (MHz)	RDC Max. ( $\Omega$ )	IDC Max. (mA)
1N6	1.6	$\pm 10\%, \pm 5\%$	250	24	12.50	250	0.030	2400
3N6	3.6	$\pm 10\%, \pm 5\%$	250	24	5.90	250	0.048	2300
3N9	3.9	$\pm 10\%, +5\%$	250	25	5.90	250	0.054	2200
6N8	6.8	$\pm 10\%, +5\%$	250	35	5.80	250	0.054	2100
7N5	7.5	$\pm 10\%, +5\%$	250	35	3.70	250	0.059	2100
10N	10	$\pm 10\%, +5\%, \pm 2\%$	250	38	3.70	250	0.071	2000
12N	12	$\pm 10\%, +5\%, \pm 2\%$	250	38	3.00	250	0.075	2000
15N	15	$\pm 10\%, +5\%, \pm 2\%$	250	38	2.80	250	0.080	1900
18N	18	$\pm 10\%, +5\%, \pm 2\%$	250	40	2.80	250	0.099	1900
22N	22	$\pm 10\%, +5\%, \pm 2\%$	250	42	2.40	250	0.099	1800
24N	24	$\pm 10\%, +5\%, \pm 2\%$	250	42	2.40	250	0.105	1800

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