

Product Specification



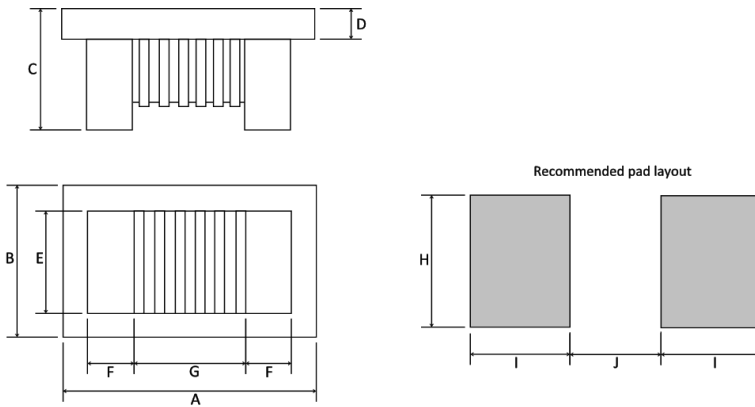
This product is certified to comply with the RoHS Directive 2002/95/EC.



WC1008S Low Profile Wirewound Ceramic Chip Inductor



- Industry standard 1008 size
- Small size
- High SRF
- Good Q
- 1.4mm high
- Tight tolerance



Size	A	B	C	D	E	F	G	H	I	J
1008	2.92	2.79	1.40	0.65	2.03	0.51	1.52	2.54	1.02	1.27

Measurements in mm

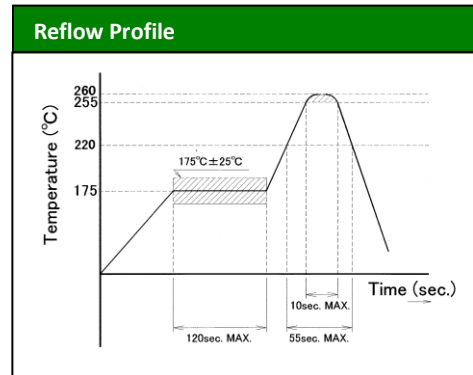
Specification	
Inductance range	3.3 ~ 560nH
SRF	to 6GHz
Q	to 75
Temp. range	-40 to +125°C
DCR	From 0.03Ω
Current	to 1000mA
Storage temp.	-40 to +125°C

'*' 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
WC1008S	G = ±2%	1N0 = 1nH	*
	J = ±5%	10N = 10nH	
	K = ±10%	R10 = 100nH	
		1R0 = 1uH	



Issue 2 14/12/10

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MAGNA Frequency Components

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Value Code	Inductance (nH)	Tolerance	L Test Frequency (MHz)	Q Min.	Q Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
3N3	3.3	$\pm 10\%$, $\pm 5\%$	50	42	1500	6000	0.03	1000
4N2	4.2	$\pm 10\%$, $\pm 5\%$	50	42	1500	6000	0.15	1000
6N8	6.8	$\pm 10\%$, $+5\%$	50	50	1500	5400	0.17	1000
8N2	8.2	$\pm 10\%$, $+5\%$	50	50	1500	5000	0.22	1000
15N	15	$\pm 10\%$, $+5\%$	50	57	500	3000	0.22	1000
18N	18	$\pm 10\%$, $+5\%$	50	50	350	2400	0.12	1000
20N	20	$\pm 10\%$, $+5\%$	50	72	500	2400	0.33	1000
27N	27	$\pm 10\%$, $+5\%$	50	55	350	1600	0.13	850
30N	30	$\pm 10\%$, $+5\%$	50	69	500	2400	0.38	600
40N	40	$\pm 10\%$, $+5\%$	50	67	500	2000	0.43	600
50N	50	$\pm 10\%$, $+5\%$, $\pm 2\%$	50	72	500	1900	0.48	600
60N	60	$\pm 10\%$, $+5\%$, $\pm 2\%$	50	75	500	1800	0.52	600
70N	70	$\pm 10\%$, $+5\%$, $\pm 2\%$	50	68	500	1700	0.55	510
80N	80	$\pm 10\%$, $+5\%$, $\pm 2\%$	50	75	500	1400	0.56	510
R56	560	$\pm 10\%$, $+5\%$, $\pm 2\%$	25	40	100	415	1.33	400

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