

Product Specification



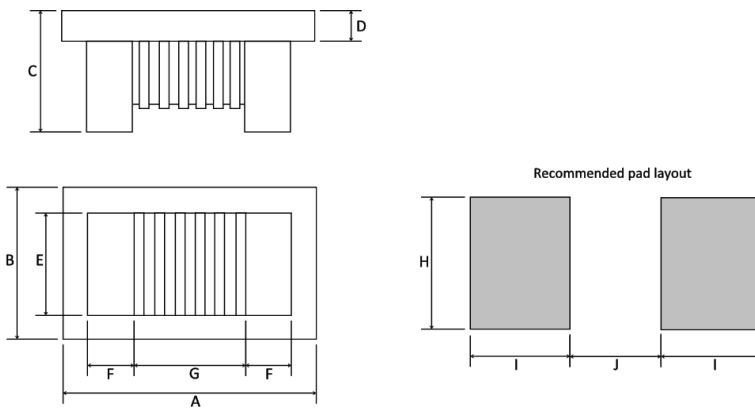
This product is certified to comply with the RoHS Directive 2002/95/EC.



WC0805S Low Profile Wirewound Ceramic Chip Inductor



- Industry standard 0805 size
- Small size
- High SRF
- Good Q
- 1.03mm high
- Tight tolerance



Size	A	B	C	D	E	F	G	H	I	J
0805	2.29	1.73	1.03	0.51	1.27	0.44	1.02	1.78	1.02	0.76

Measurements in mm

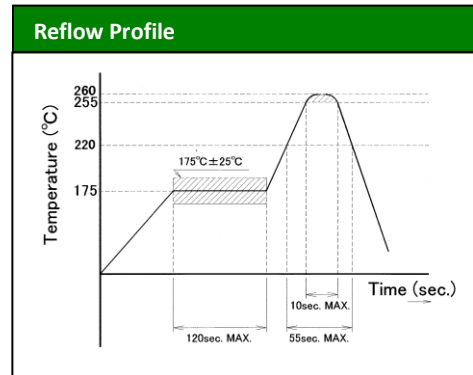
Specification	
Inductance range	1.8 ~ 1000nH
SRF	to 9.4GHz
Q	To 60
Temp. range	-40 to +125°C
DCR	From 0.03Ω
Current	to 800mA
Storage temp.	-40 to +125°C

*' 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
WC0805S	G = ±2%	1N0 = 1nH	*
	J = ±5%	10N = 10nH	
	K = ±10%	R10 = 100nH	
		1R0 = 1uH	



Issue 2 14/12/10

Magna Frequency Components, Magna House, Dales Manor Business Park, Sawston, Cambridge, CB22 3TJ
Tel: +44 1223 834800 Fax: +44 1223 834600 Email: sales@magnafrequency.com

Product Specification



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



MAGNA Frequency Components

WC0805S Low Profile Wirewound Ceramic Chip Inductor

Value Code	Inductance (nH)	Tolerance	L Test Frequency (MHz)	Q Min.	Q Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1N8	1.8	±10%	250	55	1500	9400	0.03	800
3N9	3.9	±10%, ±5%	250	50	1000	6100	0.06	800
4N7	4.7	±10%, ±5%	250	50	1000	5500	0.06	800
6N8	6.8	±10%, ±5%	250	50	1000	5500	0.08	800
8N2	8.2	±10%, ±5%	250	50	1000	4800	0.08	800
10N	10	±10%, ±5%, ±2%	250	55	750	3300	0.08	800
12N	12	±10%, ±5%, ±2%	250	55	750	3800	0.10	800
15N	15	±10%, ±5%, ±2%	250	50	500	2950	0.10	800
18N	18	±10%, ±5%, ±2%	250	50	500	3100	0.13	800
22N	22	±10%, ±5%, ±2%	250	50	500	2900	0.15	800
27N	27	±10%, ±5%, ±2%	250	50	500	2450	0.23	600
33N	33	±10%, ±5%, ±2%	250	50	500	2350	0.28	600
39N	39	±10%, ±5%, ±2%	250	50	500	2200	0.33	600
47N	47	±10%, ±5%, ±2%	200	50	500	2000	0.39	600
56N	56	±10%, ±5%, ±2%	200	50	500	1850	0.39	500
68N	68	±10%, ±5%, ±2%	200	50	500	1500	0.40	500
82N	82	±10%, ±5%, ±2%	150	50	500	1500	0.44	500
R10	100	±10%, ±5%, ±2%	150	50	500	1200	0.64	400
R12	120	±10%, ±5%, ±2%	150	40	250	1150	0.68	300
R15	150	±10%, ±5%, ±2%	150	40	250	1050	0.80	300
1R0	1000	±10%, ±5%, ±2%	25	16	50	80	3.50	170

Issue 2 14/12/10

Magna Frequency Components, Magna House, Dales Manor Business Park, Sawston, Cambridge, CB22 3TJ

Tel: +44 1223 834800

Fax: +44 1223 834600

Email: sales@magnafrequency.com