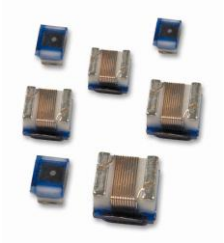
Product Specification

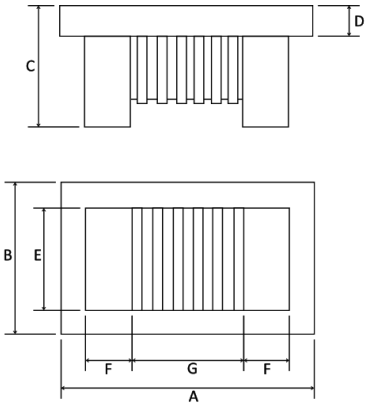
This product is certified to comply with the RoHS Directive 2002/95/EC.

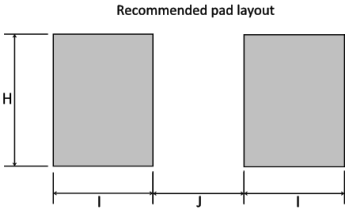
MAGNA Frequency Components

WC1206 Wirewound Ceramic Chip Inductor



- Industry standard 1206 size
- Small size
- High SRF
- Good Q
- Wide inductance range
- Tight tolerance





Size	A	B	C	D	E	F	G	H	I	J
1206	3.56	2.16	1.52	0.51	1.60	0.51	2.20	1.93	1.02	1.78

Measurements in mm

Specification	
Inductance range	6.8 ~ 1200nH
SRF	to 5.5GHz
Q	to 60
Temp. range	-40 to +125°C
DCR	From 0.07Ω
Current	to 1000mA
Storage temp.	-40 to +125°C

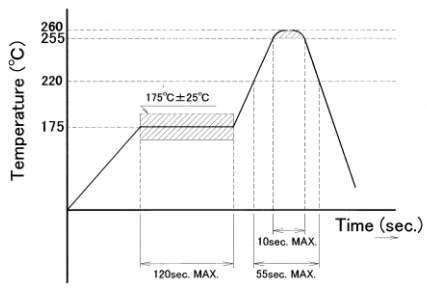
'*' suffix denotes RoHS Compliant

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**
WC1206	G = ±2%	1N0 = 1nH	*
	J = ±5%	10N = 10nH	
	K = ±10%	R10 = 100nH	
		1R0 = 1uH	

Reflow Profile



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Product Specification

RoHS

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WC1206 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)
6N8	6.8	±10%, ±5%	100	30	300	5500	0.07	1000
10N	10	±10%, ±5%	100	40	300	4000	0.08	1000
12N	12	±10%, ±5%	100	40	300	3200	0.08	1000
15N	15	±10%, ±5%	100	40	300	3200	0.10	1000
18N	18	±10%, ±5%	100	50	300	2800	0.10	1000
22N	22	±10%, ±5%	100	50	300	2200	0.10	1000
24N	24	±10%, ±5%	100	50	300	2000	0.10	1000
27N	27	±10%,+5%,±2%	100	50	300	1800	0.11	1000
33N	33	±10%,+5%,±2%	100	55	300	1800	0.11	1000
39N	39	±10%,+5%,±2%	100	55	300	1800	0.12	1000
47N	47	±10%,+5%,±2%	100	55	300	1500	0.13	1000
56N	56	±10%,+5%,±2%	100	55	300	1450	0.14	1000
62N	62	±10%,+5%,±2%	100	55	300	1200	0.20	1000
68N	68	±10%,+5%,±2%	100	55	300	1200	0.26	950
82N	82	±10%,+5%,±2%	100	55	300	1200	0.21	920
91N	91	±10%,+5%,±2%	100	55	300	1100	0.24	900
R10	100	±10%,+5%,±2%	100	55	300	1100	0.26	850
R12	120	±10%,+5%,±2%	100	55	300	750	0.26	800
R15	150	±10%,+5%,±2%	100	60	300	950	0.31	750
R18	180	±10%,+5%,±2%	50	55	300	900	0.43	700
R22	220	±10%,+5%,±2%	50	55	300	760	0.50	670
R27	270	±10%,+5%,±2%	50	55	300	740	0.56	630
R30	300	±10%,+5%,±2%	50	50	150	680	0.60	600
R33	330	±10%,+5%,±2%	50	45	150	650	0.62	590
R36	360	±10%,+5%,±2%	50	45	150	600	0.65	550
R39	390	±10%,+5%,±2%	50	45	150	600	0.75	530
R47	470	±10%,+5%,±2%	50	45	150	550	1.30	490
R56	560	±10%,+5%,±2%	35	45	150	470	1.34	460
R62	620	±10%,+5%,±2%	35	45	150	470	1.58	460
R68	680	±10%,+5%,±2%	35	45	150	450	1.58	430
R75	750	±10%,+5%,±2%	35	45	150	440	2.25	320
R82	820	±10%,+5%,±2%	35	45	150	420	1.82	400
R91	910	±10%,+5%,±2%	35	45	150	410	2.95	310
1R0	1000	±10%,+5%,±2%	35	45	150	400	2.80	320
1R2	1200	±10%,+5%,±2%	35	45	150	380	3.20	300

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