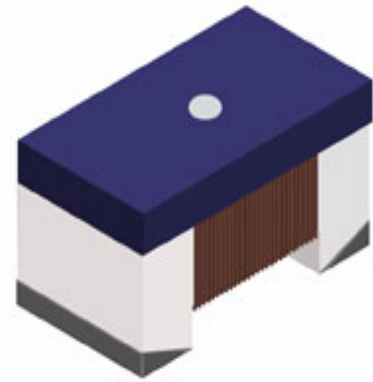


WL Series — Wirewound Ceramic Chip Inductor

Features

- WW on Ceramic provides High SRFs
- Robust termination for outstanding mechanical strength
- Ultra Compact Inductors Provide Exceptional Q values
- Low profile, High Current are available
- Tight Tolerances of $\pm 2\%$ available
- For Inductance Values outside those listed in the datasheet, contact factory
- Find Frequency Curves, Environmental and Packaging specs in related supplemental documents



Applications

RF Products

- Cellular Phone (CDMA/GSM/PHS)
- Wireless PDA
- GPS Receiver
- Cordless Phone(DECT/CT1CT2)
- Remote Control, Security System
- Wireless PDA
- WLL, Wirelless Lan/Mouse/Keyboard

Broad Band Apps:

- CATV filter, Tuner
- Cable Modem/ XDSL Tuner

IT Applications :

- USB 2.0
- IEEE 1394

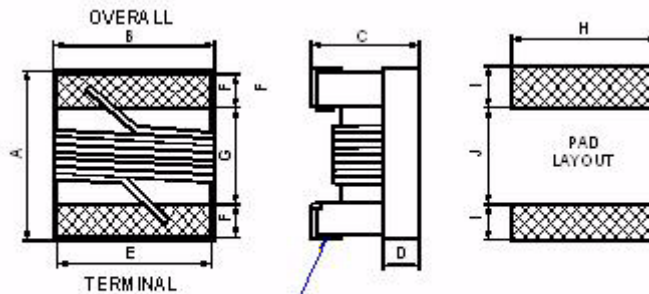
Inductance and Current ranges

• WL02	1.0 ~ 68 nH	1360 ~ 100 mA
• WL03	1.6 ~ 470 nH	2400 ~ 80mA
• WL05	2.5 ~ 43 nH	1600 ~ 500mA
• WL08	3.0 ~ 15000 nH	1600 ~ 120 mA
• WL06	6.8 ~ 1200 nH	1000 ~ 300 mA

How to Order

WL		02		J		T		L		1N6	
SEI Type		Dimensions		Tolerance		Packaging		Design		Inductance	
Type	Description	Code	EIA	Code	Tolerance	Code	Description	Code	Inductance	Code	Inductance
WL	Wirewound Inductor	02	0402	G	$\pm 2\%$		Standard Inductor	1N6	1.6nH		
		03	0603	J	$\pm 5\%$		L	Low Profile	82N	82nH	
		05	0805	K	$\pm 10\%$		H	High Current and Q	R27	270nH	
		08	1008	M	$\pm 20\%$				1R0	1000nH	
		06	1206						103	10000nH	

WL Series — Wirewound Ceramic Chip Inductor



TERMINAL WARPBOUND:
Approx. 0.007" / 0.18mm BOTH ENDS

Mechanical Specifications - Standard

Type/Code	A Max.	B Max.	C Max.	D Ref.	E	F	G	H	I	J	Units
WL02	0.05 1.27	0.030 0.76	0.024 0.61	0.006 0.15	0.020 0.51	0.009 0.23	0.022 0.56	0.026 0.66	0.020 0.50	0.018 0.46	inches mm
WL03	0.071 1.80	0.044 1.12	0.040 1.02	0.015 0.38	0.030 0.76	0.013 0.33	0.034 0.86	0.040 1.02	0.025 0.64	0.025 0.64	inches mm
WL05	0.090 2.29	0.068 1.73	0.060 1.52	0.020 0.51	0.050 1.27	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	inches mm
WL08	0.115 2.92	0.110 2.79	0.080 2.03	0.026 0.65	0.080 2.03	0.020 0.51	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	inches mm
WL06	0.140 3.56	0.085 2.16	0.060 1.52	0.020 0.50	0.047 1.20	0.020 0.50	0.087 2.20	0.076 1.93	0.040 1.02	0.070 1.78	inches mm

Mechanical Specifications - Low Profile

Type/Code	A Max.	B Max.	C Max.	D Ref.	E	F	G	H	I	J	Units
WL05	0.090 2.29	0.068 1.73	0.041 1.03	0.020 0.51	0.050 1.27	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	inches mm
WL08	0.115 2.92	0.110 2.79	0.055 1.40	0.026 0.65	0.080 2.03	0.020 0.51	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	inches mm

Mechanical Specifications - High Current / High Q

Type/Code	A Max.	B Max.	C Max.	D Ref.	E	F	G	H	I	J	Units
WL03	0.071 1.80	0.044 1.12	0.040 1.02	0.015 0.38	0.030 0.76	0.013 0.33	0.034 0.86	0.040 1.02	0.025 0.64	0.025 0.64	inches mm
WL05	0.090 2.29	0.068 1.73	0.060 1.52	0.020 0.51	0.050 1.27	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	inches mm
WL08	0.115 2.92	0.110 2.79	0.080 2.03	0.026 0.65	0.080 2.03	0.020 0.51	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	inches mm

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL02 Standard										
Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max	900 MHz		1.7GHz	
							L	Q	L	Q
WL02-T1N0	1.0 @ 250MHz	16	10	12.70	0.045	1360	1.02	77	1.02	69
WL02-T1N9	1.9 @ 250MHz	16	10,5	11.30	0.070	1040	1.72	68	1.74	82
WL02-T2N0	2.0 @ 250MHz	16	10,5	11.10	0.070	1040	1.93	54	1.93	75
WL02-T2N2	2.2 @ 250MHz	19	10,5	10.80	0.070	960	2.19	59	2.23	100
WL02-T2N4	2.4 @ 250MHz	15	10,5	10.50	0.070	790	2.24	51	2.27	68
WL02-T2N7	2.7 @ 250MHz	16	10,5	10.40	0.120	640	2.23	42	2.25	61
WL02-T3N3	3.3 @ 250MHz	19	10,5,2	7.00	0.066	840	3.10	65	3.12	87
WL02-T3N6	3.6 @ 250MHz	19	10,5,2	6.80	0.066	840	3.56	45	3.62	71
WL02-T3N9	3.9 @ 250MHz	19	10,5,2	5.80	0.066	840	3.89	50	4.00	75
WL02-T4N3	4.3 @ 250MHz	18	10,5,2	6.00	0.091	700	4.19	47	4.30	71
WL02-T4N7	4.7 @ 250MHz	15	10,5,2	4.70	0.130	640	4.55	48	4.68	68
WL02-T5N1	5.1 @ 250MHz	20	10,5,2	4.80	0.083	800	5.15	56	5.25	82
WL02-T5N6	5.6 @ 250MHz	20	10,5,2	4.80	0.083	760	5.16	54	5.28	81
WL02-T6N2	6.2 @ 250MHz	20	10,5,2	4.80	0.083	760	6.16	52	6.37	76
WL02-T6N8	6.8 @ 250MHz	20	10,5,2	4.80	0.083	680	6.56	63	6.93	78
WL02-T7N5	7.5 @ 250MHz	22	10,5,2	4.80	0.104	680	7.91	60	8.22	88
WL02-T8N2	8.2 @ 250MHz	22	10,5,2	4.40	0.104	680	8.50	57	8.85	84
WL02-T8N7	8.7 @ 250MHz	18	10,5,2	4.10	0.200	480	8.78	54	9.21	73
WL02-T9N0	9.0 @ 250MHz	22	10,5,2	4.16	0.104	680	9.07	62	9.53	78
WL02-T9N5	9.5 @ 250MHz	18	10,5,2	4.00	0.200	480	9.42	54	9.98	69
WL02-T10N	10 @ 250MHz	21	10,5,2	3.90	0.195	480	9.80	50	10.10	67
WL02-T11N	11 @ 250MHz	24	10,5,2	3.68	0.120	640	10.70	52	11.20	78
WL02-T12N	12 @ 250MHz	24	10,5,2	3.60	0.120	640	11.90	53	12.70	71
WL02-T13N	13 @ 250MHz	24	10,5,2	3.45	0.210	440	13.40	51	14.60	57
WL02-T15N	15 @ 250MHz	24	10,5,2	3.28	0.172	560	14.60	55	15.50	77
WL02-T16N	16 @ 250MHz	24	10,5,2	3.10	0.220	560	16.60	46	18.80	47
WL02-T18N	18 @ 250MHz	24	10,5,2	3.10	0.230	420	18.30	57	20.30	62
WL02-T19N	19 @ 250MHz	24	10,5,2	3.04	0.202	480	19.10	50	21.10	67
WL02-T20N	20 @ 250MHz	25	10,5,2	3.00	0.250	420	20.70	52	23.70	53
WL02-T22N	22 @ 250MHz	25	10,5,2	2.80	0.300	400	23.20	53	26.80	53
WL02-T23N	23 @ 250MHz	22	10,5,2	2.72	0.300	400	23.80	49	26.90	64
WL02-T24N	24 @ 250MHz	25	10,5,2	2.70	0.300	400	25.10	51	29.50	50
WL02-T27N	27 @ 250MHz	24	10,5,2	2.48	0.300	400	28.70	49	33.50	63
WL02-T30N	30 @ 250MHz	25	10,5,2	2.35	0.350	400	31.10	46	38.50	39
WL02-T33N	33 @ 250MHz	24	10,5,2	2.35	0.350	400	34.90	31	41.70	32
WL02-T36N	36 @ 250MHz	24	10,5,2	2.32	0.440	320	39.50	44	48.40	53
WL02-T39N	39 @ 250MHz	25	10,5,2	2.10	0.550	200	41.70	47	50.20	45
WL02-T40N	40 @ 250MHz	24	10,5,2	2.24	0.500	320	39.00	44	47.40	33
WL02-T43N	43 @ 250MHz	25	10,5,2	2.03	0.810	100	45.80	46	61.60	34
WL02-T47N	47 @ 250MHz	20	10,5,2	2.10	0.830	150	50.00	38	55.80	37
WL02-T51N	51 @ 250MHz	25	10,5,2	1.75	0.820	100	50.40	47	59.40	37
WL02-T56N	56 @ 250MHz	22	10,5,2	1.76	0.970	100	57.40	49	72.40	40
WL02-T68N	68 @ 250MHz	22	10,5,2	1.62	1.120	100	69.60	45	83.40	38

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL03 Standard										
Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max	900 MHz		1.7GHz	
							L	Q	L	Q
WL03-T1N6	1.6 @ 250MHz	24	10,5	12.5	0.030	700	1.53	35	1.58	55
WL03-T1N8	1.8 @ 250MHz	16	10,5	12.5	0.045	700	1.63	35	1.66	50
WL03-T2N2	2.2 @ 250MHz	20	10,5	6.00	0.100	700	2.18	41	2.20	64
WL03-T2N3	2.3 @ 250MHz	16	10,5	>4.00	0.140	700	2.32	32	2.35	40
WL03-T3N3	3.3 @ 250MHz	22	10,5,2	>6.00	0.080	700	3.35	47	3.40	65
WL03-T3N6	3.6 @ 250MHz	22	10,5,2	5.80	0.063	700	3.53	49	3.58	65
WL03-T3N9	3.9 @ 250MHz	22	10,5,2	>600	0.080	700	3.95	49	3.96	67
WL03-T4N3	4.3 @ 250MHz	22	10,5,2	5.80	0.063	700	4.32	49	4.43	67
WL03-T4N5	4.5 @ 250MHz	20	10,5,2	5.80	0.120	700	4.74	55	4.87	92
WL03-T4N7	4.7 @ 250MHz	20	10,5,2	5.80	0.120	700	4.65	53	4.80	67
WL03-T5N1	5.1 @ 250MHz	20	10,5,2	5.80	0.160	700	5.13	47	5.36	56
WL03-T5N6	5.6 @ 250MHz	20	10,5,2	5.80	0.170	700	5.53	56	5.86	77
WL03-T6N2	6.2 @ 250MHz	25	10,5,2	5.80	0.110	700	6.28	60	6.40	85
WL03-T6N3	6.3 @ 250MHz	25	10,5,2	5.80	0.110	700	6.67	41	6.86	61
WL03-T6N8	6.8 @ 250MHz	27	10,5,2	5.80	0.110	700	6.75	60	7.10	81
WL03-T7N5	7.5 @ 250MHz	28	10,5,2	4.80	0.106	700	7.70	60	7.82	65
WL03-T8N2	8.2 @ 250MHz	27	10,5,2	4.80	0.110	700	8.25	64	8.40	81
WL03-T8N7	8.7 @ 250MHz	28	10,5,2	4.60	0.109	700	8.86	62	9.32	58
WL03-T9N1	9.1 @ 250MHz	35	10,5,2	4.80	0.130	700	9.20	70	9.70	80
WL03-T9N5	9.5 @ 250MHz	28	10,5,2	5.40	0.135	700	9.70	59	9.92	61
WL03-T10N	10 @ 250MHz	31	10,5,2	4.80	0.130	700	10.0	66	10.6	83
WL03-T11N	11 @ 250MHz	31	10,5,2	4.00	0.086	700	11.3	53	12.1	56
WL03-T12N	12 @ 250MHz	35	10,5,2	4.00	0.130	700	12.3	72	13.5	83
WL03-T15N	15 @ 250MHz	35	10,5,2	4.00	0.170	700	15.4	64	16.8	89
WL03-T16N	16 @ 250MHz	35	10,5,2	3.30	0.110	700	16.5	55	18.0	52
WL03-T17N	17 @ 250MHz	35	10,5,2	3.20	0.170	700	17.6	56	19.4	44
WL03-T18N	18 @ 250MHz	35	10,5,2	3.10	0.170	700	18.7	70	21.4	69
WL03-T20N	20 @ 250MHz	40	10,5,2	3.00	0.190	700	20.7	80	23.5	30
WL03-T22N	22 @ 250MHz	38	10,5,2	3.00	0.190	700	22.8	73	26.1	71
WL03-T23N	23 @ 250MHz	38	10,5,2	2.85	0.190	700	24.1	71	28.0	71
WL03-T24N	24 @ 250MHz	36	10,5,2	2.80	0.130	700	25.7	45	30.9	40
WL03-T27N	27 @ 250MHz	40	10,5,2	2.80	0.220	600	29.2	74	34.6	65
WL03-T30N	30 @ 250MHz	37	10,5,2	2.80	0.150	600	31.4	47	39.8	28
WL03-T33N	33 @ 250MHz	40	10,5,2	2.30	0.220	600	36.0	67	49.5	42
WL03-T36N	36 @ 250MHz	37	10,5,2	2.30	0.250	600	39.1	47	48.9	24
WL03-T39N	39 @ 250MHz	40	10,5,2	2.20	0.250	600	42.7	60	60.2	40
WL03-T43N	43 @ 200MHz	38	10,5,2	2.00	0.280	600	46.9	44	60.3	21
WL03-T47N	47 @ 200MHz	38	10,5,2	2.00	0.280	600	52.2	62	77.2	35
WL03-T51N	51 @ 200MHz	35	10,5,2	1.90	0.280	600	55.5	69	82.2	34
WL03-T56N	56 @ 200MHz	38	10,5,2	1.90	0.310	600	62.5	56	97.0	26
WL03-T62N	62 @ 200MHz	37	10,5,2	1.80	0.340	600	68.0	40	110	10
WL03-T68N	68 @ 200MHz	37	10,5,2	1.70	0.340	600	80.5	54	168	21
WL03-T72N	72 @ 150MHz	34	10,5,2	1.70	0.490	400	82.0	53	135	20

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL03 Standard										
Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max	900 MHz		1.7GHz	
							L	Q	L	Q
WL03-T82N	82 @ 150MHz	34	10,5,2	1.70	0.540	400	96.2	54	177	21
WL03-T91N	91 @ 150MHz	30	10,5,2	1.70	0.500	400	110.0	50	416.4	6
WL03-TR10	100 @ 150MHz	34	10,5,2	1.40	0.580	400	124.0	49	319.5	13
WL03-TR11	110 @ 150MHz	32	10,5,2	1.35	0.610	300	138.0	43	342.7	15
WL03-TR12	120 @ 150MHz	32	10,5,2	1.30	0.650	300	166.0	39	529.3	8
WL03-TR13	130 @ 150MHz	30	10,5,2	1.40	0.720	300	185.0	60	-	-
WL03-TR14	140 @ 100MHz	28	10,5,2	1.30	0.870	280	190.0	80	-	-
WL03-TR15	150 @ 100MHz	32	10,5,2	1.30	0.950	280	230.0	25	-	-
WL03-TR16	160 @ 100MHz	25	10,5,2	1.30	1.400	280	215.0	20	-	-
WL03-TR18	180 @ 100MHz	25	10,5,2	1.25	1.400	250	305.0	22	-	-
WL03-TR22	220 @ 100MHz	25	10,5,2	1.20	1.600	250	377.0	21	-	-
WL03-TR26	260 @ 100MHz	25	10,5,2	1.00	2.000	200	469.0	21	-	-
WL03-TR27	270 @ 100MHz	25	10,5,2	0.90	2.100	200	523.0	19	-	-
WL03-TR28	280 @ 100MHz	25	10,5,2	1.00	2.400	100	524.0	18	-	-
WL03-TR30	300 @ 100MHz	25	10,5,2	0.75	2.500	150	539.7	21	-	-
WL03-TR33	330 @ 100MHz	25	10,5,2	0.90	3.800	100	680.4	20	-	-
WL03-TR39	390 @ 100MHz	25	10,5,2	0.90	4.350	100	734.5	29	-	-
WL03-TR47	470 @ 100MHz	23	10,5,2	0.60	3.60	80	-	-	-	-

Electrical Characteristics - WL05 Standard						
Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL05-T2N7	2.7 @ 250MHz	80 @ 1500MHz	10,5	7.900	0.06	800
WL05-T2N8	2.8 @ 250MHz	80 @ 1500MHz	10,5	7.900	0.06	800
WL05-T3N0	3.0 @ 250MHz	65 @ 1500MHz	10,5	7.900	0.06	800
WL05-T3N3	3.3 @ 250MHz	50 @ 1500MHz	10,5	6.000	0.08	600
WL05-T5N6	5.6 @ 250MHz	65 @ 1000MHz	10,5	5.500	0.08	600
WL05-T6N2	6.2 @ 250MHz	50 @ 1000MHz	10,5	5.500	0.11	600
WL05-T6N8	6.8 @ 250MHz	50 @ 1000MHz	10,5	5.500	0.11	600
WL05-T7N5	7.5 @ 250MHz	50 @ 1000MHz	10,5	4.500	0.14	600
WL05-T8N2	8.2 @ 250MHz	50 @ 1000MHz	10,5	4.700	0.12	600
WL05-T8N7	8.7 @ 250MHz	50 @ 1000MHz	10,5	3.900	0.21	400
WL05-T10N	10 @ 250MHz	60 @ 500MHz	10,5,2	4.200	0.10	600
WL05-T12N	12 @ 250MHz	50 @ 500MHz	10,5,2	4.000	0.15	600
WL05-T15N	15 @ 250MHz	50 @ 500MHz	10,5,2	3.400	0.17	600
WL05-T18N	18 @ 250MHz	50 @ 500MHz	10,5,2	3.300	0.20	600
WL05-T22N	22 @ 250MHz	55 @ 500MHz	10,5,2	2.600	0.22	500
WL05-T24N	24 @ 250MHz	50 @ 500MHz	10,5,2	2.00	0.22	500
WL05-T27N	27 @ 250MHz	55 @ 500MHz	10,5,2	2.500	0.25	500
WL05-T33N	33 @ 250MHz	60 @ 500MHz	10,5,2	2.050	0.27	500
WL05-T36N	36 @ 250MHz	55 @ 500MHz	10,5,2	1.700	0.27	500
WL05-T39N	39 @ 250MHz	60 @ 500MHz	10,5,2	2.000	0.29	500
WL05-T43N	43 @ 200MHz	60 @ 500MHz	10,5,2	1.650	0.34	500

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL05 Standard						
Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL05-T47N	47 @ 200MHz	60 @ 500MHz	10,5,2	1.650	0.31	500
WL05-T56N	56 @ 200MHz	60 @ 500MHz	10,5,2	1.550	0.34	500
WL05-T68N	68 @ 200MHz	60 @ 500MHz	10,5,2	1.450	0.38	500
WL05-T72N	72 @ 150MHz	65 @ 500MHz	10,5,2	1.400	0.40	500
WL05-T82N	82 @ 150MHz	65 @ 500MHz	10,5,2	1.300	0.42	400
WL05-T91N	91 @ 150MHz	65 @ 500MHz	10,5,2	1.200	0.48	400
WL05-TR10	100 @ 150MHz	65 @ 500MHz	10,5,2	1.200	0.46	400
WL05-TR11	110 @ 150MHz	50 @ 250MHz	10,5,2	1.000	0.48	400
WL05-TR12	120 @ 150MHz	50 @ 250MHz	10,5,2	1.100	0.51	400
WL05-TR15	150 @ 100MHz	50 @ 250MHz	10,5,2	0.920	0.56	400
WL05-TR18	180 @ 100MHz	50 @ 250MHz	10,5,2	0.870	0.64	400
WL05-TR20	200 @ 100MHz	50 @ 250MHz	10,5,2	0.860	0.66	400
WL05-TR22	220 @ 100MHz	50 @ 250MHz	10,5,2	0.850	0.70	400
WL05-TR24	240 @ 100MHz	44 @ 250MHz	10,5,2	0.690	1.00	350
WL05-TR25	250 @ 100MHz	45 @ 250MHz	10,5,2	0.680	1.00	350
WL05-TR27	270 @ 100MHz	48 @ 250MHz	10,5,2	0.650	1.00	350
WL05-TR30	300 @ 100MHz	48 @ 250MHz	10,5,2	0.620	1.20	330
WL05-TR33	330 @ 100MHz	48 @ 250MHz	10,5,2	0.600	1.40	310
WL05-TR36	360 @ 100MHz	48 @ 250MHz	10,5,2	0.580	1.45	300
WL05-TR39	390 @ 100MHz	48 @ 250MHz	10,5,2	0.560	1.50	290
WL05-TR43	430 @ 50MHz	33 @ 100MHz	10,5,2	0.430	1.70	230
WL05-TR47	470 @ 50MHz	33 @ 100MHz	10,5,2	0.375	1.70	220
WL05-TR56	560 @ 25MHz	23 @ 50MHz	10,5,2	0.340	1.90	210
WL05-TR60	600 @ 25MHz	23 @ 50MHz	10,5,2	0.260	1.60	450
WL05-TR62	620 @ 25MHz	23 @ 50MHz	10,5,2	0.220	2.20	210
WL05-TR68	680 @ 25MHz	23 @ 50MHz	10,5,2	0.200	2.20	190
WL05-TR75	750 @ 25MHz	23 @ 50MHz	10,5,2	0.200	2.30	180
WL05-TR82	820 @ 25MHz	23 @ 50MHz	10,5,2	0.200	2.35	180
WL05-T1R0	1000 @ 25MHz	20 @ 50MHz	10,5,2	0.100	2.50	170
WL05-T1R2	1200 @ 7.9MHz	18 @ 25MHz	10,5,2	0.100	2.50	170
WL05-T1R5	1500 @ 7.9MHz	16 @ 25MHz	10,5,2	0.100	2.50	170
WL05-T1R8	1800 @ 7.9MHz	16 @ 7.9MHz	10,5,2	0.080	2.50	170
WL05-T2R2	2200 @ 7.9MHz	16 @ 7.9MHz	10,5,2	0.060	2.70	160
WL05-T2R7	2700 @ 7.9MHz	16 @ 7.9MHz	10,5,2	0.050	2.95	150
WL05-T3R3	3300 @ 7.9MHz	15 @ 7.9MHz	10,5,2	0.040	4.40	90
WL05-T4R7	4700 @ 7.9MHz	15 @ 7.9MHz	10,5,2	0.040	6.40	90

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL08 Standard						
Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL08-T5N6	5.6 @ 50MHz	50 @ 1500MHz	10, 5	4.00	0.15	1000
WL08-T10N	10 @ 50MHz	50 @ 1500MHz	10, 5, 2	4.10	0.08	1000
WL08-T12N	12 @ 50MHz	50 @ 1500MHz	10, 5, 2	3.30	0.09	1000
WL08-T15N	15 @ 50MHz	50 @ 1500MHz	10, 5, 2	2.50	0.11	1000
WL08-T18N	18 @ 50MHz	50 @ 350MHz	10, 5, 2	2.40	0.12	1000
WL08-T22N	22 @ 50MHz	55 @ 350MHz	10, 5, 2	2.40	0.12	1000
WL08-T24N	24 @ 50MHz	55 @ 350MHz	10, 5, 2	1.90	0.12	1000
WL08-T27N	27 @ 50MHz	55 @ 350MHz	10, 5, 2	1.60	0.13	1000
WL08-T33N	33 @ 50MHz	60 @ 350MHz	10, 5, 2	1.60	0.14	1000
WL08-T36N	36 @ 50MHz	60 @ 350MHz	10, 5, 2	1.60	0.15	1000
WL08-T39N	39 @ 50MHz	60 @ 350MHz	10, 5, 2	1.50	0.15	1000
WL08-T47N	47 @ 50MHz	65 @ 350MHz	10, 5, 2	1.50	0.16	1000
WL08-T56N	56 @ 50MHz	65 @ 350MHz	10, 5, 2	1.30	0.18	1000
WL08-T62N	62 @ 50MHz	65 @ 350MHz	10, 5, 2	1.25	0.20	1000
WL08-T68N	68 @ 50MHz	65 @ 350MHz	10, 5, 2	1.30	0.20	1000
WL08-T75N	75 @ 50MHz	60 @ 350MHz	10, 5, 2	1.10	0.21	1000
WL08-T82N	82 @ 50MHz	60 @ 350MHz	10, 5, 2	1.00	0.22	1000
WL08-TR10	100 @ 25MHz	60 @ 350MHz	10, 5, 2	1.00	0.56	650
WL08-TR12	120 @ 25MHz	60 @ 350MHz	10, 5, 2	0.95	0.63	650
WL08-TR15	150 @ 25MHz	45 @ 100MHz	10, 5, 2	0.85	0.70	580
WL08-TR18	180 @ 25MHz	45 @ 100MHz	10, 5, 2	0.75	0.77	620
WL08-TR22	220 @ 25MHz	45 @ 100MHz	10, 5, 2	0.70	0.84	500
WL08-TR24	240 @ 25MHz	45 @ 100MHz	10, 5, 2	0.65	0.88	500
WL08-TR27	270 @ 25MHz	45 @ 100MHz	10, 5, 2	0.60	0.91	500
WL08-TR30	300 @ 25MHz	45 @ 100MHz	10, 5, 2	0.585	1.00	450
WL08-TR33	330 @ 25MHz	45 @ 100MHz	10, 5, 2	0.57	1.05	450
WL08-TR36	360 @ 25MHz	45 @ 100MHz	10, 5, 2	0.53	1.10	470
WL08-TR39	390 @ 25MHz	45 @ 100MHz	10, 5, 2	0.50	1.12	470
WL08-TR43	430 @ 25MHz	45 @ 100MHz	10, 5, 2	0.48	1.15	470
WL08-TR47	470 @ 25MHz	45 @ 100MHz	10, 5, 2	0.45	1.19	470
WL08-TR56	560 @ 25MHz	45 @ 100MHz	10, 5, 2	0.415	1.33	400
WL08-TR62	620 @ 25MHz	45 @ 100MHz	10, 5, 2	0.375	1.40	300
WL08-TR68	680 @ 25MHz	45 @ 100MHz	10, 5, 2	0.375	1.47	400
WL08-TR75	750 @ 25MHz	45 @ 100MHz	10, 5, 2	0.36	1.54	360
WL08-TR82	820 @ 25MHz	45 @ 100MHz	10, 5, 2	0.35	1.61	400
WL08-TR91	910 @ 25MHz	35 @ 50MHz	10, 5, 2	0.32	1.68	380
WL08-T1R0	1000 @ 25MHz	35 @ 50MHz	10, 5, 2	0.29	1.75	370
WL08-T1R2	1200 @ 7.9MHz	35 @ 50MHz	10, 5, 2	0.25	2.00	310
WL08-T1R5	1500 @ 7.9MHz	28 @ 50MHz	10, 5, 2	0.20	2.30	330
WL08-T1R8	1800 @ 7.9MHz	28 @ 50MHz	10, 5, 2	0.16	2.60	300
WL08-T2R2	2200 @ 7.9MHz	28 @ 50MHz	10, 5, 2	0.16	2.80	280
WL08-T2R7	2700 @ 7.9MHz	22 @ 25MHz	10, 5, 2	0.14	3.20	290
WL08-T3R3	3300 @ 7.9MHz	22 @ 25MHz	10, 5, 2	0.11	3.40	290
WL08-T3R9	3900 @ 7.9MHz	20 @ 25MHz	10, 5, 2	0.10	3.60	260
WL08-T4R7	4700 @ 7.9MHz	18 @ 25MHz	10, 5, 2	0.09	4.00	260
WL08-T5R6	5600 @ 7.9MHz	16 @ 7.96MHz	10, 5, 2	0.02	4.00	240

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL08 Standard

Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL08-T6R8	6800 @ 7.9MHz	15 @ 7.96MHz	10, 5, 2	0.040	4.90	200
WL08-T8R2	8200 @ 7.9MHz	15 @ 7.96MHz	10, 5, 2	0.025	6.00	170
WL08-T103	10000 @ 2.52MHz	15 @ 7.96MHz	10, 5, 2	0.020	9.00	150
WL08-T123	12000 @ 2.52MHz	15 @ 7.96MHz	10, 5, 2	0.018	10.50	130
WL08-T153	15000 @ 2.52MHz	15 @ 7.96MHz	10, 5, 2	0.015	11.50	120

Electrical Characteristics - WL06 Standard

Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL06-T6N8	6.8 @ 100MHz	30 @ 300MHz	10, 5	5.50	0.07	1000
WL06-T10N	10.0 @ 100MHz	40 @ 300MHz	10, 5	4.00	0.08	1000
WL06-T12N	12.0 @ 100MHz	40 @ 300MHz	10, 5	3.20	0.08	1000
WL06-T15N	15.0 @ 100MHz	40 @ 300MHz	10, 5	3.20	0.10	1000
WL06-T18N	18.0 @ 100MHz	50 @ 300MHz	10, 5	2.80	0.10	1000
WL06-T22N	22.0 @ 100MHz	50 @ 300MHz	10, 5	2.20	0.10	1000
WL06-T24N	24.0 @ 100MHz	50 @ 300MHz	10, 5	2.00	0.10	1000
WL06-T27N	27.0 @ 100MHz	50 @ 300MHz	10, 5, 2	1.80	0.11	1000
WL06-T33N	33.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.80	0.11	1000
WL06-T39N	39.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.80	0.12	1000
WL06-T47N	47.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.50	0.13	1000
WL06-T56N	56.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.45	0.14	1000
WL06-T62N	62.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.20	0.20	1000
WL06-T68N	68.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.20	0.26	950
WL06-T82N	82.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.20	0.21	920
WL06-T91N	91.0 @ 100MHz	55 @ 300MHz	10, 5, 2	1.10	0.24	900
WL06-TR10	100 @ 100MHz	55 @ 300MHz	10, 5, 2	1.10	0.26	850
WL06-TR12	120 @ 100MHz	55 @ 300MHz	10, 5, 2	0.75	0.26	800
WL06-TR15	150 @ 100MHz	60 @ 300MHz	10, 5, 2	0.95	0.31	750
WL06-TR18	180 @ 50MHz	55 @ 300MHz	10, 5, 2	0.90	0.43	700
WL06-TR22	220 @ 50MHz	55 @ 300MHz	10, 5, 2	0.76	0.50	670
WL06-TR27	270 @ 50MHz	55 @ 300MHz	10, 5, 2	0.74	0.56	630
WL06-TR30	300 @ 50MHz	50 @ 150MHz	10, 5, 2	0.68	0.60	600
WL06-TR33	330 @ 50MHz	45 @ 150MHz	10, 5, 2	0.65	0.62	590
WL06-TR36	360 @ 50MHz	45 @ 150MHz	10, 5, 2	0.60	0.65	550
WL06-TR39	390 @ 50MHz	45 @ 150MHz	10, 5, 2	0.60	0.75	530
WL06-TR47	470 @ 50MHz	45 @ 150MHz	10, 5, 2	0.55	1.30	490
WL06-TR56	560 @ 35MHz	45 @ 150MHz	10, 5, 2	0.47	1.34	460
WL06-TR62	620 @ 35MHz	45 @ 150MHz	10, 5, 2	0.47	1.58	460
WL06-TR68	680 @ 35MHz	45 @ 150MHz	10, 5, 2	0.45	1.58	430
WL06-TR75	750 @ 35MHz	45 @ 150MHz	10, 5, 2	0.44	2.25	320
WL06-TR82	820 @ 35MHz	45 @ 150MHz	10, 5, 2	0.42	1.82	400
WL06-TR91	910 @ 35MHz	45 @ 150MHz	10, 5, 2	0.41	2.95	310
WL06-T1R0	1000 @ 35MHz	45 @ 150MHz	10, 5, 2	0.40	2.80	320
WL06-T1R2	1200 @ 35MHz	45 @ 150MHz	10, 5, 2	0.38	3.20	300

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL05 Low Profile

Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL05-TL1N8	1.8 @ 250MHz	55 @ 1500MHz	10	9.40	0.03	800
WL05-TL3N9	3.9 @ 250MHz	50 @ 1000MHz	10, 5	6.10	0.06	800
WL05-TL4N7	4.7 @ 250MHz	50 @ 1000MHz	10, 5	5.50	0.06	800
WL05-TL6N8	6.8 @ 250MHz	50 @ 1000MHz	10, 5	5.50	0.08	800
WL05-TL8N2	8.2 @ 250MHz	50 @ 1000MHz	10, 5	4.80	0.08	800
WL05-TL10N	10 @ 250MHz	55 @ 750MHz	10, 5, 2	3.30	0.08	800
WL05-TL12N	12 @ 250MHz	55 @ 750MHz	10, 5, 2	3.80	0.10	800
WL05-TL15N	15 @ 250MHz	50 @ 500MHz	10, 5, 2	2.95	0.10	800
WL05-TL18N	18 @ 250MHz	50 @ 500MHz	10, 5, 2	3.10	0.13	800
WL05-TL22N	22 @ 250MHz	50 @ 500MHz	10, 5, 2	2.90	0.15	800
WL05-TL27N	27 @ 250MHz	50 @ 500MHz	10, 5, 2	2.45	0.23	600
WL05-TL33N	33 @ 250MHz	50 @ 500MHz	10, 5, 2	2.35	0.28	600
WL05-TL39N	39 @ 250MHz	50 @ 500MHz	10, 5, 2	2.20	0.33	600
WL05-TL47N	47 @ 200MHz	50 @ 500MHz	10, 5, 2	2.00	0.39	600
WL05-TL56N	56 @ 200MHz	50 @ 500MHz	10, 5, 2	1.85	0.39	500
WL05-TL68N	68 @ 200MHz	50 @ 500MHz	10, 5, 2	1.50	0.40	500
WL05-TL82N	82 @ 150MHz	50 @ 500MHz	10, 5, 2	1.50	0.44	500
WL05-TLR10	100 @ 150MHz	50 @ 500MHz	10, 5, 2	1.20	0.64	400
WL05-TLR12	120 @ 150MHz	40 @ 250MHz	10, 5, 2	1.15	0.68	300
WL05-TLR15	150 @ 150MHz	40 @ 250MHz	10, 5, 2	1.05	0.80	300
WL05-TL1R0	1000 @ 25MHz	16 @ 50MHz	10, 5, 2	0.08	3.50	170

Electrical Characteristics - WL08 Low Profile

Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL08-TL3N3	3.3 @ 50MHz	42 @ 1500MHz	10, 5	6.0	0.03	1000
WL08-TL4N2	4.2 @ 50MHz	42 @ 1500MHz	10, 5	6.0	0.15	1000
WL08-TL6N8	6.8 @ 50MHz	50 @ 1500MHz	10, 5	5.4	0.17	1000
WL08-TL8N2	8.2 @ 50MHz	50 @ 1500MHz	10, 5	5.0	0.22	1000
WL08-TL15N	15 @ 50MHz	57 @ 500MHz	10, 5	3.0	0.22	1000
WL08-TL18N	18 @ 50MHz	50 @ 350MHz	10, 5	2.4	0.12	1000
WL08-TL20N	20 @ 50MHz	72 @ 500MHz	10, 5	2.4	0.33	1000
WL08-TL27N	27 @ 50MHz	50 @ 350MHz	10, 5	1.6	0.13	850
WL08-TL30N	30 @ 50MHz	69 @ 500MHz	10, 5	2.4	0.38	600
WL08-TL40N	40 @ 50MHz	67 @ 500MHz	10, 5, 2	2.0	0.43	600
WL08-TL50N	50 @ 50MHz	72 @ 500MHz	10, 5, 2	1.9	0.48	600
WL08-TL60N	60 @ 50MHz	75 @ 500MHz	10, 5, 2	1.8	0.52	600
WL08-TL70N	70 @ 50MHz	68 @ 500MHz	10, 5, 2	1.7	0.55	510
WL08-TL80N	80 @ 50MHz	75 @ 500MHz	10, 5, 2	1.4	0.56	510
WL08-TLR18	180 @ 50MHz	50 @ 350MHz	10, 5, 2	0.9	0.4	450
WL08-TLR56	560 @ 25MHz	40 @ 100MHz	10, 5, 2	0.4	1.33	400

WL Series — Wirewound Ceramic Chip Inductor

Electrical Characteristics - WL03 High Current

Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL03-TH1N6	1.6 @ 250MHz	24 @ 250MHz	10, 5	12.5	0.030	2400
WL03-TH3N6	3.6 @ 250MHz	24 @ 250MHz	10, 5	5.9	0.048	2300
WL03-TH3N9	3.9 @ 250MHz	25 @ 250MHz	10, 5	5.9	0.054	2200
WL03-TH6N8	6.8 @ 250MHz	35 @ 250MHz	10, 5	5.8	0.054	2100
WL03-TH7N5	7.5 @ 250MHz	35 @ 250MHz	10, 5	3.7	0.059	2100
WL03-TH8N2	8.2 @ 250MHz	38 @ 250MHz	10, 5	3.7	0.060	2000
WL03-TH10N	10 @ 250MHz	38 @ 250MHz	10, 5, 2	3.7	0.071	2000
WL03-TH12N	12 @ 250MHz	38 @ 250MHz	10, 5, 2	3.0	0.075	2000
WL03-TH15N	15 @ 250MHz	38 @ 250MHz	10, 5, 2	2.8	0.080	1900
WL03-TH18N	18 @ 250MHz	40 @ 250MHz	10, 5, 2	2.8	0.099	1900
WL03-TH22N	22 @ 250MHz	42 @ 250MHz	10, 5, 2	2.4	0.099	1800
WL03-TH24N	24 @ 250MHz	42 @ 250MHz	10, 5, 2	2.4	0.105	1800

Electrical Characteristics - WL05 High Q

Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL05-TH2N5	2.5 @ 250MHz	80 @ 1500MHz	10, 5	6.00	0.020	1600
WL05-TH5N6	5.6 @ 250MHz	98 @ 1500MHz	10, 5	6.00	0.035	1600
WL05-TH6N2	6.2 @ 250MHz	88 @ 1000MHz	10, 5	4.75	0.035	1600
WL05-TH6N8	6.8 @ 250MHz	80 @ 1000MHz	10, 5	4.40	0.035	1600
WL05-TH8N2	8.2 @ 250MHz	75 @ 1000MHz	10, 5	3.00	0.075	1000
WL05-TH10N	10 @ 250MHz	80 @ 1000MHz	10, 5	3.00	0.060	1600
WL05-TH12N	12 @ 250MHz	80 @ 1000MHz	10, 5	3.00	0.045	1600
WL05-TH15N	15 @ 250MHz	80 @ 1000MHz	10, 5, 2	2.80	0.100	1200
WL05-TH16N	16 @ 250MHz	72 @ 500MHz	10, 5, 2	2.95	0.060	1500
WL05-TH18N	18 @ 250MHz	75 @ 500MHz	10, 5, 2	2.55	0.060	1400
WL05-TH20N	20 @ 250MHz	70 @ 500MHz	10, 5, 2	2.05	0.055	1400
WL05-TH22N	22 @ 250MHz	80 @ 500MHz	10, 5, 2	2.00	0.100	1200
WL05-TH27N	27 @ 250MHz	75 @ 500MHz	10, 5, 2	2.00	0.070	1300
WL05-TH30N	30 @ 250MHz	65 @ 500MHz	10, 5, 2	1.95	0.095	1200
WL05-TH39N	39 @ 250MHz	65 @ 500MHz	10, 5, 2	1.60	0.110	1100
WL05-TH48N	48 @ 200MHz	65 @ 500MHz	10, 5, 2	1.40	0.095	1200
WL05-TH51N	51 @ 200MHz	65 @ 500MHz	10, 5, 2	1.40	0.120	1000

Electrical Characteristics - WL08 High Q

Part Number	L (nH)	Q Factor /Min	Tolerance (%)	SRF (GHz)	DCR (Ω) Max	I DC (mA) Max
WL08-TH3N0	3.0 @ 50MHz	70 @ 1500MHz	10, 5	6.00	0.04	1600
WL08-TH3N9	3.9 @ 50MHz	75 @ 1500MHz	10, 5	6.00	0.05	1600
WL08-TH4N1	4.1 @ 50MHz	75 @ 1500MHz	10, 5	6.00	0.05	1600
WL08-TH7N8	7.8 @ 50MHz	75 @ 500MHz	10, 5	3.80	0.05	1600
WL08-TH10N	10 @ 50MHz	60 @ 500MHz	10, 5, 2	3.60	0.06	1600
WL08-TH12N	12 @ 50MHz	70 @ 500MHz	10, 5, 2	2.80	0.06	1500
WL08-TH18N	18 @ 50MHz	62 @ 350MHz	10, 5, 2	2.70	0.07	1400
WL08-TH22N	22 @ 50MHz	62 @ 350MHz	10, 5, 2	2.05	0.07	1400
WL08-TH33N	33 @ 50MHz	75 @ 350MHz	10, 5, 2	1.70	0.09	1300
WL08-TH39N	39 @ 50MHz	75 @ 350MHz	10, 5, 2	1.30	0.09	1300
WL08-TH47N	47 @ 50MHz	75 @ 350MHz	10, 5, 2	1.45	0.12	1200
WL08-TH56N	56 @ 50MHz	75 @ 350MHz	10, 5, 2	1.23	0.12	1200
WL08-TH68N	68 @ 50MHz	80 @ 350MHz	10, 5, 2	1.15	0.13	1100
WL08-TH82N	82 @ 50MHz	80 @ 350MHz	10, 5, 2	1.06	0.16	1100
WL08-THR10	100 @ 50MHz	52 @ 350MHz	10, 5, 2	0.82	0.16	1000