

# ATC 0805 WL SERIES WIRE WOUND CHIP INDUCTORS

## Inductor Selection Guide

Inductance (nH)	Tolerance (%)	Q (MHz) min.	SRF (MHz) typ.	RDC (Ohms) max.	IDC (mA)	Color code
3.3 @ 250 (MHz)	K	50 @ 1500	7900	0.080	600	Black
5.6 @ 250 (MHz)	K	65 @ 1500	5500	0.080	600	Orange
6.8 @ 250 (MHz)	K	50 @ 1000	5500	0.110	600	Brown
7.5 @ 250 (MHz)	K	50 @ 1000	4500	0.140	600	Green
8.2 @ 250 (MHz)	K	50 @ 1000	4700	0.120	600	Red
10 @ 250 (MHz)	K	60 @ 500	4200	0.100	600	Blue
12 @ 250 (MHz)	K	50 @ 500	4000	0.150	600	Orange
15 @ 250 (MHz)	J	50 @ 500	3400	0.170	600	Yellow
18 @ 250 (MHz)	J	50 @ 500	3300	0.200	600	Green
22 @ 250 (MHz)	J	55 @ 500	2600	0.220	500	Blue
24 @ 250 (MHz)	J	50 @ 500	2000	0.220	500	Gray
27 @ 250 (MHz)	J	55 @ 500	2500	0.250	500	Violet
33 @ 250 (MHz)	J	60 @ 500	2050	0.270	500	Gray
36 @ 250 (MHz)	J	55 @ 500	1700	0.270	500	Orange
39 @ 250 (MHz)	J	60 @ 500	2000	0.290	500	White
43 @ 200 (MHz)	J	60 @ 500	1650	0.340	500	Yellow
47 @ 200 (MHz)	J	60 @ 500	1650	0.310	500	Black
56 @ 200 (MHz)	J	60 @ 500	1550	0.340	500	Brown
68 @ 200 (MHz)	J	60 @ 500	1450	0.380	500	Red
82 @ 150 (MHz)	J	65 @ 500	1300	0.420	400	Orange
91 @ 150 (MHz)	J	65 @ 500	1200	0.480	400	Black
100 @ 150 (MHz)	J	65 @ 500	1200	0.460	400	Yellow
110 @ 150 (MHz)	J	50 @ 250	1000	0.480	400	Brown
120 @ 150 (MHz)	J	50 @ 250	1100	0.510	400	Green
150 @ 100 (MHz)	J	50 @ 250	920	0.560	400	Blue
180 @ 100 (MHz)	J	50 @ 250	870	0.640	400	Violet
200 @ 100 (MHz)	J	50 @ 25	860	0.680	400	Red
220 @ 100 (MHz)	J	50 @ 250	850	0.700	400	Gray
240 @ 100 (MHz)	J	44 @ 250	690	1.000	350	Red
250 @ 100 (MHz)	J	45 @ 250	660	1.200	350	Yellow
270 @ 100 (MHz)	J	48 @ 250	650	1.300	350	White
330 @ 100 (MHz)	J	48 @ 250	600	1.650	310	Black
390 @ 100 (MHz)	J	48 @ 250	560	1.800	290	Brown
470 @ 50 (MHz)	J	33 @ 100	375	2.000	250	Violet
560 @ 25 (MHz)	J	23 @ 50	340	2.100	230	Orange
680 @ 25 (MHz)	J	23 @ 50	188	2.300	190	Green
820 @ 25 (MHz)	J	18 @ 50	215	2.500	180	Blue

## ATC Part Number Code

**0805 WL 100 K T**

**EIA Case Size**  
0402, 0603, 0805, 1008, 1206

**Wire Wound Inductor**  
Inductance value in nH.  
1st and 2nd digits are significant digits.  
3rd digit is multiplier.  
R is decimal point.

**Package**  
T - Tape & Reel  
B - Bulk

**Tolerance.**  
See table below.

Inductance Tolerances		
Code	J (%)	K (%)
Tol.	± 5	± 10

## Mechanical Configurations

A max.	B max.	C max.	D ref.	E	F	G	H	I	J
0.09 (2.29)	.068 (1.73)	0.06 (1.52)	0.02 (0.51)	0.05 (1.27)	0.02 (0.51)	0.04 (1.02)	0.07 (1.78)	0.04 (1.02)	0.03 (0.76)

The above part number refers to an ATC 0402 WL wire wound chip inductor, 10 nH, K (±10%) tolerance, in tape and reel packaging. Tighter tolerances are available. Consult factory.

Inches (mm)

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