

ATC 1206 WL SERIES WIRE WOUND CHIP INDUCTORS

Inductor Selection Guide

Inductance (nH)	Tolerance Code	Q (MHz) min.	SRF (MHz) min.	RDC (Ohms) max.	IDC (mA) max.	Color code
6.8 @ 100 (MHz)	J, K	30 @ 300	5500	.070	1000	Brown
10 @ 100 (MHz)	J, K	40 @ 300	4000	.080	1000	Red
12 @ 100 (MHz)	J, K	40 @ 300	3200	.080	1000	Orange
15 @ 100 (MHz)	J, K	40 @ 300	3200	.100	1000	Yellow
18 @ 100 (MHz)	J, K	50 @ 300	2800	.100	1000	Green
22 @ 100 (MHz)	J, K	50 @ 300	2200	.100	1000	Blue
27 @ 100 (MHz)	G, J, K	50 @ 300	1800	.110	1000	Violet
33 @ 100 (MHz)	G, J, K	55 @ 300	1800	.110	1000	Gray
39 @ 100 (MHz)	G, J, K	55 @ 300	1800	.120	1000	White
47 @ 100 (MHz)	G, J, K	55 @ 300	1500	.130	1000	Black
56 @ 100 (MHz)	G, J, K	55 @ 300	1450	.140	1000	Brown
68 @ 100 (MHz)	G, J, K	55 @ 300	1200	.260	950	Red
82 @ 100 (MHz)	G, J, K	55 @ 300	1200	.210	920	Orange
100 @ 100 (MHz)	G, J, K	55 @ 300	1100	.260	850	Yellow
120 @ 100 (MHz)	G, J, K	55 @ 300	750	.260	800	Green
150 @ 100 (MHz)	G, J, K	60 @ 300	950	.310	750	Blue
180 @ 50 (MHz)	G, J, K	55 @ 300	900	.430	700	Violet
220 @ 50 (MHz)	G, J, K	55 @ 300	760	.500	670	Gray
270 @ 50 (MHz)	G, J, K	40 @ 300	740	.560	630	White
330 @ 50 (MHz)	G, J, K	45 @ 150	650	.620	590	Black
390 @ 50 (MHz)	G, J, K	45 @ 150	600	.750	530	Brown
470 @ 50 (MHz)	G, J, K	45 @ 150	550	1.30	490	Red
560 @ 35 (MHz)	G, J, K	45 @ 150	470	1.34	460	Orange
620 @ 35 (MHz)	G, J, K	45 @ 150	470	1.58	460	Gray
680 @ 35 (MHz)	G, J, K	45 @ 150	450	1.58	430	Yellow
750 @ 35 (MHz)	G, J, K	45 @ 150	440	2.25	320	White
820 @ 35 (MHz)	G, J, K	45 @ 150	420	1.82	400	Green
910 @ 35 (MHz)	G, J, K	45 @ 150	410	2.95	310	Green
1000 @ 35 (MHz)	G, J, K	45 @ 150	400	2.80	320	Blue
1200 @ 35 (MHz)	G, J, K	45 @ 150	380	3.20	300	Violet

ATC Part Number Code

1206 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

Tolerance.
See table below.

Inductance Tolerances			
Code	G	J	K
Tol.	± 2%	± 5%	± 10%

Mechanical Configurations

A max.	B max.	C max.	D ref.	E	F	G	H	I	J
0.14 (3.56)	.085 (2.16)	0.06 (1.52)	0.02 (0.51)	0.06 (1.52)	0.02 (0.51)	0.08 (2.03)	0.08 (2.03)	0.04 (1.02)	0.07 (1.78)

Terminations for all WL Series Inductor Case Sizes are **Lead-Free, RoHS Compliant**, Tin Plated over Nickel Barrier.

The above part number refers to an ATC 1206 WL wire wound chip inductor, 10 nH, K (±10%) tolerance, in tape and reel packaging. Tighter tolerances are available. Consult factory.

Inches (mm)

1206 Series available by special order non stock item, consult factory for availability.

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