

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.
 Packaging: 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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