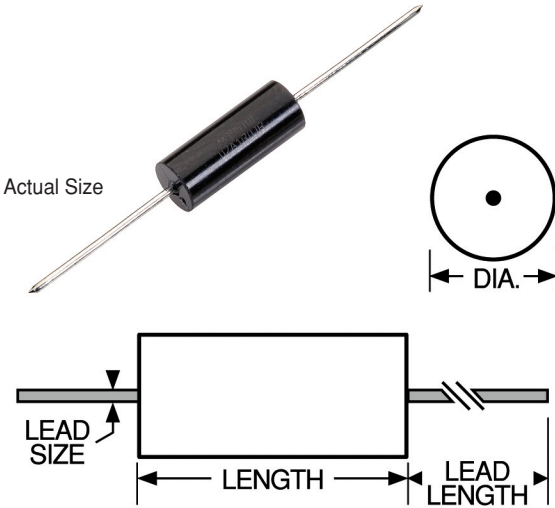




**Axial Lead Power Inductors**



**Mechanical Configuration** Units are axial leaded for thru-hole mounting, encapsulated in an epoxy molded case. High resistivity ferrite core, allows for high inductance with low DC resistance.

**Physical Parameters**

|             | Inches        | Millimeters   |
|-------------|---------------|---------------|
| Length      | 0.740 ± 0.010 | 18.80 ± 0.25  |
| Diameter    | 0.240 ± 0.010 | 6.10 ± 0.25   |
| Lead Size   |               |               |
| AWG #20 TCW | 0.032 ± 0.002 | 0.813 ± 0.051 |
| Lead Length | 1.44 ± 0.12   | 36.58 ± 3.05  |

**Operating Temperature Range** -55°C to +125°C

**Current Rating** 40°C Rise over 85°C Ambient

**Maximum Power Dissipation at 85°C** 0.50 W

**Inductance** Measured at 0.3V (open circuit) with no DC current.

**Incremental Current** The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.

**Weight Max.** (Grams) 2.5

**Marking** DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 2474R-02K

|           |          |
|-----------|----------|
| Front:    | Reverse: |
| DELEVAN   | 0902A    |
| 1.2uH±10% |          |

**Packaging** Tape & reel: 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max. For additional packaging options, see technical section.

**Made in the U.S.A.**

| DASH NUMBER* | INDUCTANCE @ 1 KHZ (uH) ±15% | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (AMPS) | INCREMENTAL CURRENT (AMPS) |
|--------------|------------------------------|------------------------------|-------------------------------|----------------------------|
|--------------|------------------------------|------------------------------|-------------------------------|----------------------------|

| SERIES 2474 FERRITE CORE |         |       |      |      |
|--------------------------|---------|-------|------|------|
| -01L                     | 1.0     | 0.009 | 6.27 | 6.4  |
| -02L                     | 1.2     | 0.010 | 5.95 | 5.8  |
| -03L                     | 1.5     | 0.011 | 5.67 | 5.2  |
| -04L                     | 1.8     | 0.012 | 5.43 | 4.8  |
| -05L                     | 2.2     | 0.013 | 5.22 | 4.3  |
| -06L                     | 2.7     | 0.014 | 5.03 | 3.9  |
| -07L                     | 3.3     | 0.016 | 4.70 | 3.5  |
| -08L                     | 3.9     | 0.017 | 4.56 | 3.2  |
| -09L                     | 4.7     | 0.022 | 4.01 | 2.9  |
| -10L                     | 5.6     | 0.024 | 3.84 | 2.7  |
| -11L                     | 6.8     | 0.026 | 3.69 | 2.5  |
| -12L                     | 8.2     | 0.028 | 3.55 | 2.2  |
| -13L                     | 10.0    | 0.033 | 3.27 | 2.0  |
| -14L                     | 12.0    | 0.037 | 3.09 | 1.8  |
| -15L                     | 15.0    | 0.040 | 2.97 | 1.6  |
| -16L                     | 18.0    | 0.044 | 2.84 | 1.5  |
| -17L                     | 22.0    | 0.050 | 2.66 | 1.4  |
| -18L                     | 27.0    | 0.070 | 2.25 | 1.2  |
| -19L                     | 33.0    | 0.075 | 2.17 | 1.1  |
| -20L                     | 39.0    | 0.084 | 2.05 | 1.0  |
| -21L                     | 47.0    | 0.104 | 1.84 | 0.93 |
| -22L                     | 56.0    | 0.130 | 1.65 | 0.85 |
| -23L                     | 68.0    | 0.145 | 1.56 | 0.77 |
| -24L                     | 82.0    | 0.152 | 1.53 | 0.71 |
| -25L                     | 100.0   | 0.208 | 1.30 | 0.64 |
| -26L                     | 120.0   | 0.283 | 1.12 | 0.58 |
| -27L                     | 150.0   | 0.330 | 1.04 | 0.52 |
| -28L                     | 180.0   | 0.362 | 0.99 | 0.48 |
| -29L                     | 220.0   | 0.505 | 0.84 | 0.43 |
| -30L                     | 270.0   | 0.557 | 0.80 | 0.39 |
| -31L                     | 330.0   | 0.650 | 0.74 | 0.35 |
| -32L                     | 390.0   | 0.770 | 0.68 | 0.32 |
| -33L                     | 470.0   | 1.03  | 0.59 | 0.29 |
| -34L                     | 560.0   | 1.14  | 0.56 | 0.27 |
| -35L                     | 680.0   | 1.50  | 0.49 | 0.25 |
| -36L                     | 820.0   | 1.98  | 0.42 | 0.22 |
| -37L                     | 1000.0  | 2.30  | 0.39 | 0.20 |
| -38L                     | 1200.0  | 2.55  | 0.37 | 0.18 |
| -39L                     | 1500.0  | 3.00  | 0.34 | 0.16 |
| -40L                     | 1800.0  | 4.00  | 0.30 | 0.15 |
| -41L                     | 2200.0  | 4.40  | 0.28 | 0.14 |
| -42L                     | 2700.0  | 5.80  | 0.25 | 0.12 |
| -43L                     | 3300.0  | 6.56  | 0.23 | 0.11 |
| -44L                     | 3900.0  | 8.63  | 0.20 | 0.10 |
| -45L                     | 4700.0  | 10.1  | 0.19 | 0.09 |
| -46L                     | 5600.0  | 11.2  | 0.18 | 0.09 |
| -47L                     | 6800.0  | 15.0  | 0.15 | 0.08 |
| -48L                     | 8200.0  | 20.8  | 0.13 | 0.07 |
| -49L                     | 10000.0 | 23.4  | 0.12 | 0.06 |
| -50L                     | 12000.0 | 26.0  | 0.12 | 0.06 |
| -51L                     | 15000.0 | 36.0  | 0.10 | 0.05 |
| -52L                     | 18000.0 | 40.0  | 0.09 | 0.05 |

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%  
 \*Complete part # must include series # PLUS the dash #

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