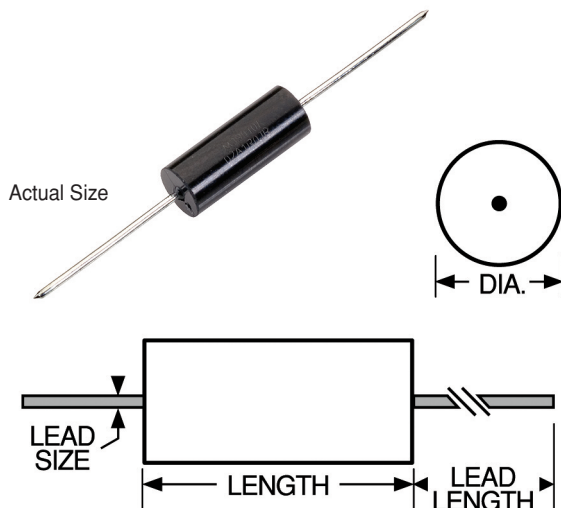


**SERIES****2474R  
2474****Axial Lead Power Inductors**

**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      | $0.740 \pm 0.010$ | $18.80 \pm 0.25$  |
| Diameter    | $0.240 \pm 0.010$ | $6.10 \pm 0.25$   |
| Lead Size   |                   |                   |
| AWG #20 TCW | $0.032 \pm 0.002$ | $0.813 \pm 0.051$ |
| Lead Length | $1.44 \pm 0.12$   | $36.58 \pm 3.05$  |

**Operating Temperature Range**  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

**Current Rating**  $40^{\circ}\text{C}$  Rise over  $85^{\circ}\text{C}$  Ambient

**Maximum Power Dissipation at  $85^{\circ}\text{C}$**  0.50 W

**Inductance** Measured at 1 V 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: DELEVAN 1.2uH $\pm$ 10%  
Reverse: 0902A

**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<br>( $\mu\text{H}$ ) $\pm 15\%$ | DC RESISTANCE<br>MAXIMUM (OHMS) | CURRENT RATING<br>MAXIMUM (AMPS) | INCREMENTAL<br>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 #

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)