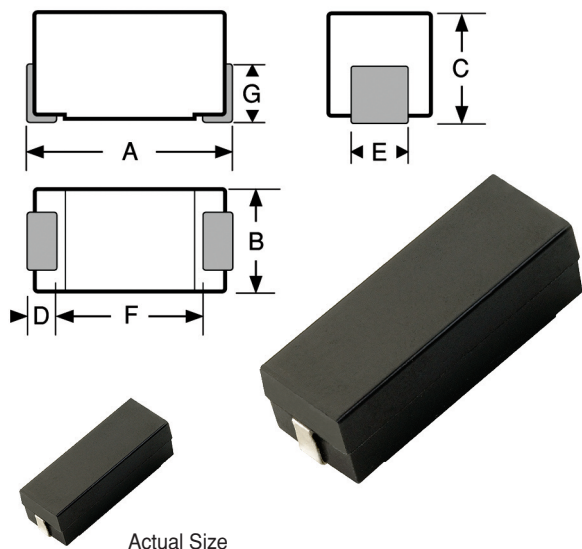


**SERIES****8532R  
8532****High Current Surface Mount Power Inductors**

Actual Size

**Mechanical Configuration**

Units are encapsulated in a Surface Mount package, using an epoxy molded case. High resistivity ferrite core, allows for high inductance with low DC resistance.

**Physical Parameters**

|   | Inches            | Millimeters       |
|---|-------------------|-------------------|
| A | 0.840 to 0.880    | 21.34 to 22.35    |
| B | 0.310 to 0.330    | 7.87 to 8.38      |
| C | 0.266 to 0.286    | 6.76 to 7.26      |
| D | 0.050 Min.        | 1.27 Min.         |
| E | 0.070 to 0.110    | 1.78 to 2.79      |
| F | 0.750 (Ref. only) | 19.05 (Ref. only) |
| G | 0.120 (Ref. only) | 3.05 (Ref. only)  |

Dimensions "A" and "C" are over terminals.

**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 Watts

**Inductance**

Measured at 1 VAC open circuit with no DC current.

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

**Weight Max.** (Grams) 2.5

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

Example: 8532R-52L

API/SMD  
18mH±15%  
R 0901B

**Packaging** Tape & reel (44mm):

13" reel, 480 pieces max.; 7" reel not available

**Made In the U.S.A.**

DASH NUMBER\*

INDUCTANCE (μH)  
±15% @ 1 kHzDC RESISTANCE  
MAXIMUM (OHMS)CURRENT RATING  
MAXIMUM (Amps)INCREMENTAL  
CURRENT (Amps)**SERIES 8532 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:** Values < 10μH: K = 10% J = 5%

Values ≥ 10μH: K = 10% J = 5% H = 3%

\*Complete part # must include series # PLUS the dash #

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