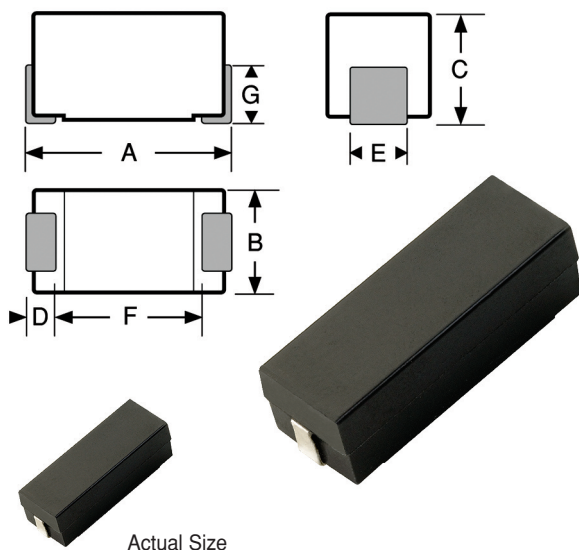


SERIES

8532R
8532

RoHS
Compliant
Traditional
First Quality

High Current Surface Mount Power Inductors



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 Delevan; dash number; date code (YYWWL).

Note: An R before the date code indicates a RoHS component.

Example: 8532R-52L

DELEVAN

52

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 KHZ
DC 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

Mouser Electronics

Authorized Distributor

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[8532-12L](#) [8532-13L](#) [8532-14L](#) [8532-15L](#) [8532-16L](#) [8532-17L](#) [8532-18L](#) [8532-19L](#) [8532-20L](#) [8532-21L](#) [8532-22L](#)
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[8532-46L](#) [8532-47L](#) [8532-48L](#) [8532-49L](#) [8532-50L](#) [8532-51L](#) [8532-52L](#) [8532-13J](#) [8532-22L-TR](#) [8532-25LTR](#)
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[05L](#) [8532R-09L](#) [8532R-01L](#) [8532R-06L](#) [8532R-08L](#) [8532R-02L](#) [8532R-04L](#) [8532R-31L](#) [8532-01K](#) [8532-01J](#)
[8532-02K](#) [8532-02J](#) [8532-03K](#) [8532-03J](#) [8532-04K](#) [8532-04J](#) [8532-05K](#) [8532-05J](#) [8532-06K](#) [8532-06J](#) [8532-07K](#)
[8532-07J](#) [8532-08K](#) [8532-08J](#) [8532-09K](#) [8532-09J](#) [8532-10K](#) [8532-10J](#)