



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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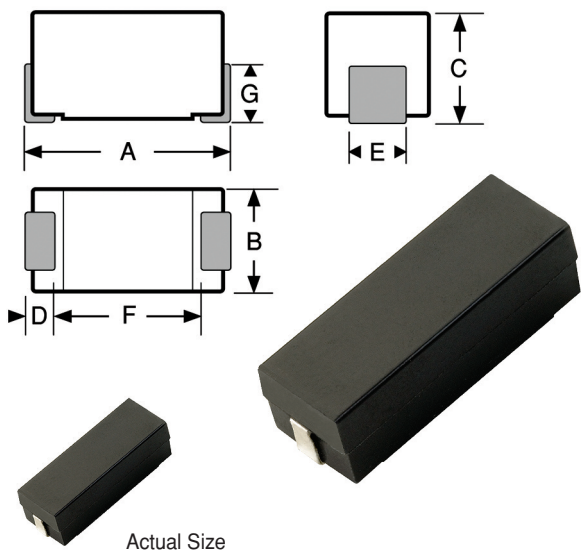
SERIES

8532R
8532



High Current Surface Mount Power Inductors

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 |

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.

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