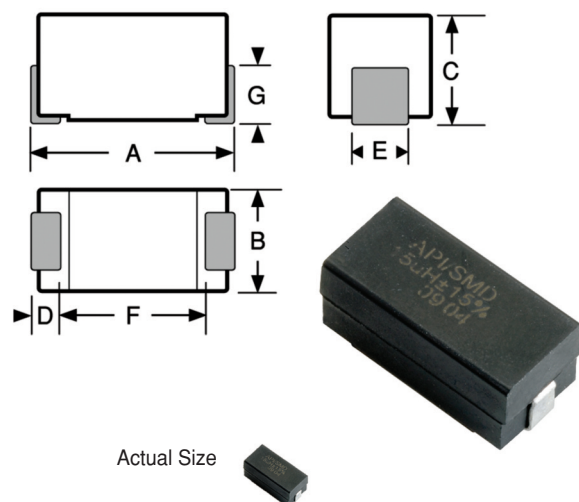


**SERIES****4922R  
4922****Surface Mount High Current Power Inductors**

Actual Size

**Mechanical Configuration** Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pre-tinned. A high resistivity ferrite core allows for high inductance with low DC resistance.

**Physical Parameters**

|   | Inches            | Millimeters      |
|---|-------------------|------------------|
| A | 0.490 to 0.520    | 12.44 to 13.21   |
| B | 0.230 to 0.250    | 5.84 to 6.35     |
| C | 0.210 to 0.230    | 5.33 to 5.84     |
| D | 0.050 Min.        | 1.27 Min.        |
| E | 0.055 to 0.075    | 1.40 to 1.91     |
| F | 0.330 (Ref. only) | 8.38 (Ref. only) |
| G | 0.120 (Ref. only) | 3.04 (Ref. only) |

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

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

**Maximum Power Dissipation at 85°C** 0.55 Watts

**Inductance**

Measured at 1 VAC 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 (Grams Max.)** 1.5

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

Example: 4922-01L

API/SMD  
1.0uH±15%  
0918A

**Packaging** Tape & reel (24mm): 13" reel, 800 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](http://www.delevanfinishes.com)

0 AMPS DC INDUCTANCE  
±15% (μH @ 10 kHz)

DCR (OHMS) MAXIMUM

RATED DC CURRENT  
(Amps) MAXIMUM

INDUCTANCE (μH) MINIMUM  
@ Rated DC Current

Power Inductors

| SERIES 4922 FERRITE CORE |       |        |       |       |
|--------------------------|-------|--------|-------|-------|
| -221L                    | 0.22  | 0.0080 | 7.00  | 7.00  |
| -271L                    | 0.27  | 0.0085 | 6.75  | 6.75  |
| -331L                    | 0.33  | 0.0090 | 6.50  | 6.50  |
| -391L                    | 0.39  | 0.0095 | 6.25  | 6.25  |
| -471L                    | 0.47  | 0.0100 | 6.00  | 6.00  |
| -561L                    | 0.56  | 0.0105 | 5.80  | 5.80  |
| -681L                    | 0.68  | 0.0110 | 5.70  | 5.70  |
| -821L                    | 0.82  | 0.0120 | 5.60  | 5.60  |
| -01L                     | 1.00  | 0.013  | 5.50  | 5.50  |
| -02L                     | 1.20  | 0.018  | 4.69  | 4.69  |
| -03L                     | 1.50  | 0.020  | 4.45  | 4.45  |
| -04L                     | 1.80  | 0.021  | 4.34  | 4.34  |
| -05L                     | 2.20  | 0.029  | 3.70  | 3.70  |
| -06L                     | 2.70  | 0.034  | 3.41  | 3.41  |
| -07L                     | 3.30  | 0.038  | 3.23  | 3.23  |
| -08L                     | 3.90  | 0.042  | 3.07  | 3.07  |
| -09L                     | 4.70  | 0.047  | 2.90  | 2.90  |
| -10L                     | 5.60  | 0.051  | 2.79  | 2.79  |
| -11L                     | 6.80  | 0.058  | 2.61  | 2.61  |
| -12L                     | 8.20  | 0.063  | 2.51  | 2.51  |
| -13L                     | 10.0  | 0.071  | 2.36  | 2.36  |
| -14L                     | 12.0  | 0.079  | 2.24  | 2.24  |
| -15L                     | 15.0  | 0.089  | 2.11  | 2.11  |
| -16L                     | 18.0  | 0.119  | 1.82  | 1.82  |
| -17L                     | 22.0  | 0.152  | 1.61  | 1.61  |
| -18L                     | 27.0  | 0.179  | 1.48  | 1.48  |
| -19L                     | 33.0  | 0.222  | 1.33  | 1.33  |
| -20L                     | 39.0  | 0.315  | 1.12  | 1.12  |
| -21L                     | 47.0  | 0.362  | 1.04  | 1.04  |
| -22L                     | 56.0  | 0.397  | 1.00  | 1.00  |
| -23L                     | 68.0  | 0.418  | 0.97  | 0.97  |
| -24L                     | 82.0  | 0.604  | 0.81  | 0.81  |
| -25L                     | 100   | 0.672  | 0.76  | 0.76  |
| -26L                     | 120   | 0.735  | 0.73  | 0.73  |
| -27L                     | 150   | 0.998  | 0.63  | 0.63  |
| -28L                     | 180   | 1.370  | 0.53  | 0.53  |
| -29L                     | 220   | 1.580  | 0.50  | 0.50  |
| -30L                     | 270   | 1.770  | 0.47  | 0.47  |
| -31L                     | 330   | 2.510  | 0.39  | 0.39  |
| -32L                     | 390   | 2.730  | 0.38  | 0.38  |
| -33L                     | 470   | 3.250  | 0.35  | 0.35  |
| -34L                     | 560   | 3.750  | 0.33  | 0.33  |
| -35L                     | 680   | 4.310  | 0.30  | 0.30  |
| -36L                     | 820   | 6.040  | 0.26  | 0.26  |
| -37L                     | 1000  | 6.900  | 0.24  | 0.24  |
| -38L                     | 1200  | 10.00  | 0.200 | 0.200 |
| -39L                     | 1500  | 12.50  | 0.178 | 0.178 |
| -40L                     | 1800  | 16.00  | 0.157 | 0.157 |
| -41L                     | 2200  | 20.00  | 0.141 | 0.141 |
| -42L                     | 2700  | 23.00  | 0.131 | 0.131 |
| -43L                     | 3300  | 25.00  | 0.126 | 0.126 |
| -44L                     | 3900  | 33.00  | 0.110 | 0.110 |
| -45L                     | 4700  | 37.00  | 0.103 | 0.103 |
| -46L                     | 5600  | 40.00  | 0.100 | 0.100 |
| -47L                     | 6800  | 62.00  | 0.080 | 0.080 |
| -48L                     | 8200  | 66.00  | 0.077 | 0.077 |
| -49L                     | 10000 | 74.00  | 0.071 | 0.071 |
| -50L                     | 12000 | 93.00  | 0.065 | 0.065 |
| -51L                     | 15000 | 105.0  | 0.061 | 0.061 |
| -52L                     | 18000 | 143.0  | 0.052 | 0.052 |
| -53L                     | 22000 | 160.0  | 0.050 | 0.050 |