

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

DASH NUMBER\*  
 0 AMPS DC INDUCTANCE  
 ±15% (µH @ 10 kHz)  
 DCR (OHMS) MAXIMUM  
 RATED DC CURRENT  
 (Amps) MAXIMUM  
 INCREMENTAL  
 CURRENT (Amps)

**SERIES 4922 FERRITE CORE**

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