

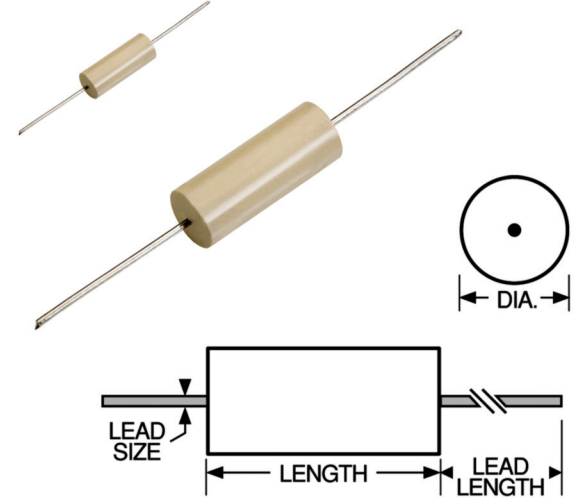
# SERIES

511R  
511



## Molded Unshielded RF Coils

Actual Size



### Physical Parameters

| Inches      | Millimeters   |               |
|-------------|---------------|---------------|
| Length      | 0.375 ± 0.010 | 9.53 ± 0.25   |
| Diameter    | 0.156 ± 0.010 | 3.96 ± 0.25   |
| Lead Size   |               |               |
| AWG #22 TCW | 0.025 ± 0.002 | 0.635 ± 0.051 |
| Lead Length | 1.44 ± 0.12   | 36.58 ± 3.05  |

### Current Rating at 90°C Ambient

Phenolic 35°C Rise  
Iron 15°C Rise

### Operating Temperature Range

Phenolic -55°C to +125°C;  
Iron -55°C to +105°C

### Maximum Power Dissipation at 90°C

Phenolic 0.312 W  
Iron 0.134 W

### Weight Max. (Grams) 0.9

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

Example: 511-16J

|          |          |
|----------|----------|
| Front:   | Reverse: |
| DELEVAN  | 4.3uH±5% |
| 4.3uH±5% | 0628C    |

**Packaging** Tape & reel: 12" reel, 2500 pieces max.; 14"  
reel, 4000 pieces max.

**Made in the U.S.A.**

| DASH NUMBER*             | INDUCTANCE (μH) ±5% | TEST FREQUENCY (MHz) | Q MINIMUM | SFF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|--------------------------|---------------------|----------------------|-----------|-------------------|------------------------------|-----------------------------|
| SERIES 511 PHENOLIC CORE |                     |                      |           |                   |                              |                             |
| -2J                      | 0.16                | 50                   | 25.0      | 525               | 0.040                        | 2370                        |
| -3J                      | 0.18                | 50                   | 25.0      | 500               | 0.043                        | 2285                        |
| -4J                      | 0.20                | 50                   | 25.0      | 475               | 0.047                        | 2185                        |
| -6J                      | 0.24                | 45                   | 25.0      | 415               | 0.060                        | 1935                        |
| -7J                      | 0.27                | 45                   | 25.0      | 400               | 0.070                        | 1790                        |
| -8J                      | 0.30                | 45                   | 25.0      | 380               | 0.080                        | 1675                        |
| -10J                     | 0.36                | 45                   | 25.0      | 345               | 0.098                        | 1515                        |
| -11J                     | 0.39                | 45                   | 25.0      | 330               | 0.100                        | 1500                        |
| -12J                     | 0.43                | 45                   | 25.0      | 315               | 0.110                        | 1430                        |
| -14J                     | 0.51                | 45                   | 25.0      | 300               | 0.130                        | 1315                        |
| -16J                     | 0.62                | 50                   | 25.0      | 260               | 0.140                        | 1265                        |
| -18J                     | 0.75                | 50                   | 25.0      | 230               | 0.180                        | 1115                        |
| -20J                     | 0.91                | 50                   | 25.0      | 210               | 0.240                        | 970                         |
| -22J                     | 1.10                | 33                   | 7.9       | 190               | 0.420                        | 730                         |
| -24J                     | 1.30                | 33                   | 7.9       | 170               | 0.480                        | 685                         |
| -26J                     | 1.60                | 33                   | 7.9       | 155               | 0.600                        | 610                         |
| -28J                     | 2.00                | 33                   | 7.9       | 140               | 0.800                        | 530                         |
| -30J                     | 2.40                | 33                   | 7.9       | 130               | 1.100                        | 450                         |
| -32J                     | 3.00                | 33                   | 7.9       | 115               | 1.800                        | 355                         |
| -34J                     | 3.60                | 33                   | 7.9       | 105               | 2.150                        | 325                         |
| -36J                     | 4.30                | 33                   | 7.9       | 95                | 2.400                        | 305                         |
| SERIES 511 IRON CORE     |                     |                      |           |                   |                              |                             |
| -38J                     | 5.10                | 35                   | 7.9       | 65                | 0.360                        | 570                         |
| -40J                     | 6.20                | 45                   | 7.9       | 60                | 0.470                        | 455                         |
| -42J                     | 7.50                | 50                   | 7.9       | 55                | 0.550                        | 420                         |
| -44J                     | 9.10                | 55                   | 7.9       | 50                | 0.800                        | 350                         |
| -46J                     | 11.0                | 60                   | 2.5       | 44                | 1.050                        | 310                         |
| -48J                     | 13.0                | 65                   | 2.5       | 40                | 1.200                        | 285                         |
| -50J                     | 16.0                | 70                   | 2.5       | 38                | 1.800                        | 230                         |
| -52J                     | 20.0                | 75                   | 2.5       | 30                | 2.500                        | 195                         |

Optional Tolerances: H = 3% G = 2% F = 1%

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

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