

SERIES

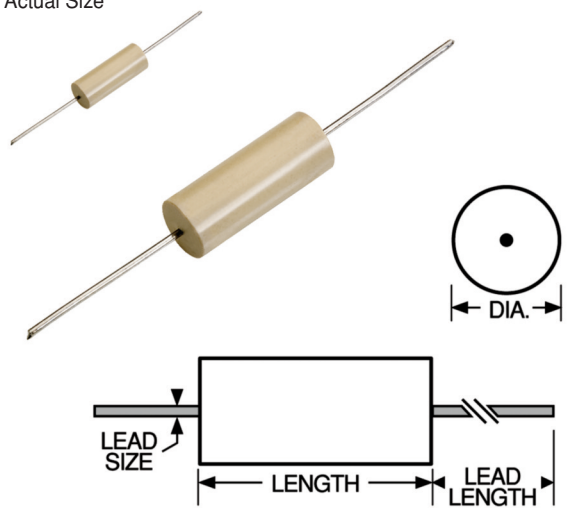
511R
511



Molded Unshielded RF Coils

| DASH NUMBER* | INDUCTANCE (uH) ±5% | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|--------------|---------------------|----------------------|-------------------|------------------------------|-----------------------------|
|--------------|---------------------|----------------------|-------------------|------------------------------|-----------------------------|

Actual Size



| 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 |

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.

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