

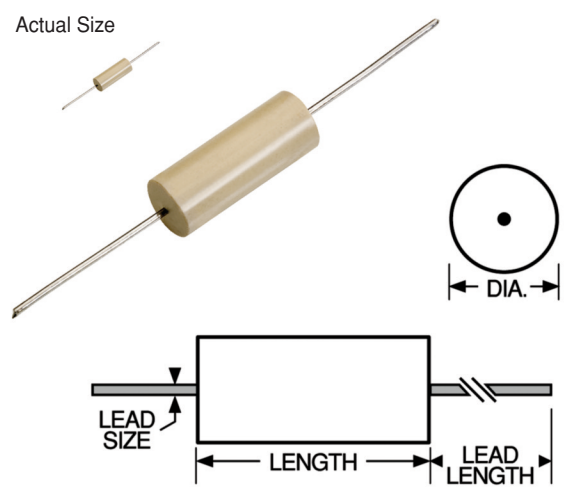
SERIES

0819R
0819



Molded Unshielded RF Coils

| DASH NUMBER* | INDUCTANCE (uH) ±10% | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|--------------|----------------------|-----------|----------------------|-------------------|------------------------------|-----------------------------|
|--------------|----------------------|-----------|----------------------|-------------------|------------------------------|-----------------------------|



| SERIES 0819 PHENOLIC CORE | | | | | | |
|---------------------------|--------|----|------|------|------|-------|
| -00K | 0.10 | 35 | 25.0 | 680 | 0.13 | 895 |
| -02K | 0.12 | 35 | 25.0 | 650 | 0.15 | 835 |
| -04K | 0.15 | 35 | 25.0 | 560 | 0.18 | 760 |
| -06K | 0.18 | 35 | 25.0 | 540 | 0.21 | 705 |
| -08K | 0.22 | 30 | 25.0 | 500 | 0.25 | 645 |
| -10K | 0.27 | 30 | 25.0 | 440 | 0.38 | 525 |
| -12K | 0.33 | 25 | 25.0 | 410 | 0.49 | 460 |
| -14K | 0.39 | 25 | 25.0 | 380 | 0.59 | 420 |
| -16K | 0.47 | 25 | 25.0 | 340 | 0.62 | 410 |
| SERIES 0819 IRON CORE | | | | | | |
| -18K | 0.56 | 40 | 25.0 | 250 | 0.18 | 510 |
| -20K | 0.68 | 40 | 25.0 | 215 | 0.20 | 485 |
| -22K | 0.82 | 40 | 25.0 | 200 | 0.22 | 465 |
| -24K | 1.0 | 40 | 25.0 | 190 | 0.25 | 435 |
| -26K | 1.2 | 35 | 7.9 | 170 | 0.28 | 410 |
| -28K | 1.5 | 40 | 7.9 | 150 | 0.49 | 310 |
| -30K | 1.8 | 40 | 7.9 | 135 | 0.56 | 290 |
| -32K | 2.2 | 45 | 7.9 | 130 | 0.72 | 257 |
| -34K | 2.7 | 45 | 7.9 | 110 | 0.85 | 236 |
| -36K | 3.3 | 45 | 7.9 | 100 | 1.2 | 198 |
| -38K | 3.9 | 50 | 7.9 | 95 | 1.5 | 178 |
| -40K | 4.7 | 55 | 7.9 | 88 | 2.1 | 150 |
| -42K | 5.6 | 55 | 7.9 | 78 | 2.8 | 130 |
| -44K | 6.8 | 55 | 7.9 | 69 | 3.2 | 122 |
| -46K | 8.2 | 45 | 7.9 | 52 | 4.4 | 104 |
| -48K | 10.0 | 45 | 7.9 | 47 | 5.2 | 95 |
| SERIES 0819 FERRITE CORE | | | | | | |
| -50K | 12.0 | 40 | 2.5 | 31.0 | 3.0 | 126.0 |
| -52K | 15.0 | 40 | 2.5 | 26.0 | 3.4 | 118.0 |
| -54K | 18.0 | 40 | 2.5 | 23.0 | 3.8 | 112.0 |
| -56K | 22.0 | 45 | 2.5 | 20.0 | 4.3 | 105.0 |
| -58K | 27.0 | 45 | 2.5 | 17.0 | 4.7 | 100.0 |
| -60K | 33.0 | 45 | 2.5 | 15.0 | 5.2 | 95.0 |
| -62K | 39.0 | 45 | 2.5 | 13.5 | 6.8 | 83.5 |
| -64K | 47.0 | 45 | 2.5 | 12.5 | 8.2 | 76.0 |
| -66K | 56.0 | 45 | 2.5 | 11.5 | 10.0 | 69.0 |
| -68K | 68.0 | 45 | 2.5 | 10.5 | 11.5 | 64.0 |
| -70K | 82.0 | 45 | 2.5 | 10.0 | 16.0 | 54.5 |
| -72K | 100.0 | 45 | 2.5 | 9.5 | 17.5 | 52.0 |
| -74K | 120.0 | 35 | 0.79 | 8.9 | 16.0 | 54.5 |
| -76K | 150.0 | 35 | 0.79 | 7.9 | 18.0 | 51.0 |
| -78K | 180.0 | 35 | 0.79 | 7.5 | 20.0 | 49.0 |
| -80K | 220.0 | 35 | 0.79 | 7.1 | 26.5 | 42.5 |
| -82K | 270.0 | 35 | 0.79 | 6.6 | 30.5 | 39.0 |
| -84K | 330.0 | 35 | 0.79 | 6.2 | 40.5 | 34.0 |
| -86K | 390.0 | 35 | 0.79 | 5.9 | 43.0 | 33.0 |
| -88K | 470.0 | 35 | 0.79 | 5.4 | 48.0 | 31.5 |
| -90K | 560.0 | 35 | 0.79 | 5.0 | 60.0 | 28.0 |
| -92K | 680.0 | 35 | 0.79 | 4.5 | 66.0 | 27.0 |
| -94K | 820.0 | 35 | 0.79 | 3.9 | 72.0 | 25.5 |
| -96K | 1000.0 | 35 | 0.79 | 3.3 | 79.0 | 24.5 |

Physical Parameters

| | Inches | Millimeters |
|-------------|----------------|---------------|
| Length | 0.200 ± 0.010 | 5.08 ± 0.25 |
| Diameter | 0.078 ± 0.008 | 1.98 ± 0.20 |
| Lead Size | | |
| AWG #24 TCW | 0.020 ± 0.0015 | 0.508 ± 0.038 |
| Lead Length | 1.5 ± 0.12 | 38.10 ± 3.05 |

Current Rating at 90°C Ambient

Phenolic: 35°C Rise
Iron and Ferrite: 15°C Rise

Operating Temperature Range

Phenolic: -55°C to +125°C
Iron and Ferrite: -55°C to +105°C

Maximum Power Dissipation at 90°C

Phenolic: 0.145 W
Iron and Ferrite: 0.062 W

Weight Max. (Grams)

Phenolic: 0.19
Iron and Ferrite: 0 .22

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

Example: 0819-32K

| | |
|-----------|----------|
| Front: | Reverse: |
| DELEVAN | 0850B |
| 2.2uH±10% | |

Packaging Tape & reel: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.

Made in the U.S.A.

Optional Tolerances: J= 5% H = 3% G = 2% F = 1%
*Complete part # must include series # PLUS the dash #
For surface finish information, refer to www.delevanfinishes.com