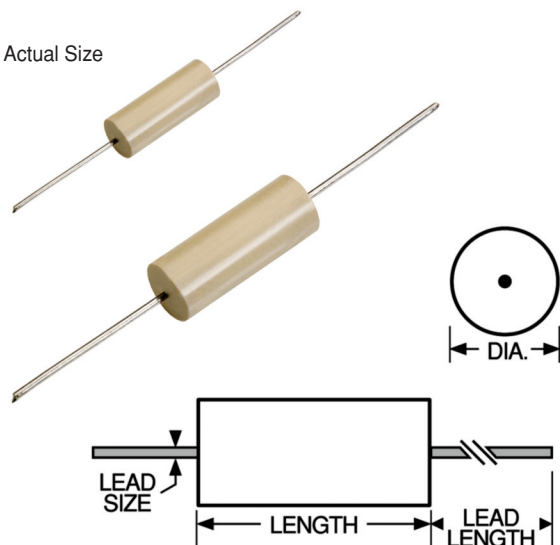


**SERIES 2150R  
2150****Molded Unshielded RF Coils**

Actual Size

**Military Specifications**

MS90542 (LT4K); MS14052(LT10K)

**Physical Parameters**

|             | Inches        | Millimeters   |
|-------------|---------------|---------------|
| Length      | 0.560 ± .0010 | 14.22 ± 0.25  |
| Diameter    | 0.220 ± 0.010 | 5.59 ± 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**

LT4K 35°C Rise

LT10K 15°C Rise

**Operating Temperature**

LT4K -55°C to +125°C

LT10K -55°C to +105°C

**Maximum Power Dissipation at 90°C**

LT4K .427 W

LT10K .183 W

**Weight Max. (Grams) 1.5**

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

Example: 2150R-28K

|               |                 |
|---------------|-----------------|
| <i>Front:</i> | <i>Reverse:</i> |
| DELEVAN       | 15uH±10%        |
| 15uH±10%      | R 0904A         |

| DASH NUMBER*                                     | MIL DASH # | INDUCTANCE (μH) ±10% | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|--------------------------------------------------|------------|----------------------|-----------|----------------------|-------------------|------------------------------|-----------------------------|
| <b>MS90542- SERIES 2150 PHENOLIC CORE (LT4K)</b> |            |                      |           |                      |                   |                              |                             |
| -00K                                             | 1          | 0.47                 | 65        | 25.0                 | 300               | 0.06                         | 2270                        |
| -01K                                             | 2          | 0.56                 | 65        | 25.0                 | 270               | 0.07                         | 2100                        |
| -02K                                             | 3          | 0.68                 | 65        | 25.0                 | 240               | 0.08                         | 1960                        |
| -03K                                             | 4          | 0.82                 | 65        | 25.0                 | 220               | 0.11                         | 1670                        |
| -04K                                             | 5          | 1.00                 | 65        | 25.0                 | 200               | 0.14                         | 1480                        |
| -05K                                             | 6          | 1.20                 | 40        | 7.9                  | 180               | 0.19                         | 1270                        |
| -06K                                             | 7          | 1.50                 | 40        | 7.9                  | 160               | 0.28                         | 1050                        |
| -07K                                             | 8          | 1.80                 | 40        | 7.9                  | 150               | 0.37                         | 915                         |
| -08K                                             | 9          | 2.20                 | 40        | 7.9                  | 135               | 0.50                         | 785                         |
| -10K                                             | 10         | 2.70                 | 40        | 7.9                  | 120               | 0.65                         | 690                         |
| -12K                                             | 11         | 3.30                 | 40        | 7.9                  | 105               | 1.00                         | 555                         |
| -14K                                             | 12         | 3.90                 | 40        | 7.9                  | 100               | 1.20                         | 505                         |
| -16K                                             | 13         | 4.70                 | 40        | 7.9                  | 90                | 1.80                         | 415                         |
| <b>MS14052- SERIES 2150 IRON CORE (LT10K)</b>    |            |                      |           |                      |                   |                              |                             |
| -18K                                             | 1          | 5.60                 | 35        | 7.9                  | 55                | 0.13                         | 1040                        |
| -20K                                             | 2          | 6.80                 | 35        | 7.9                  | 50                | 0.20                         | 835                         |
| -22K                                             | 3          | 8.20                 | 35        | 7.9                  | 44                | 0.22                         | 795                         |
| -24K                                             | 4          | 10.0                 | 35        | 7.9                  | 42                | 0.26                         | 735                         |
| -26K                                             | 5          | 12.0                 | 45        | 2.5                  | 34                | 0.45                         | 560                         |
| -28K                                             | 6          | 15.0                 | 45        | 2.5                  | 32                | 0.52                         | 520                         |
| -30K                                             | 7          | 18.0                 | 50        | 2.5                  | 28                | 0.70                         | 445                         |
| -32K                                             | 8          | 22.0                 | 60        | 2.5                  | 24                | 1.00                         | 375                         |
| -34K                                             | 9          | 27.0                 | 60        | 2.5                  | 22                | 1.30                         | 330                         |
| -36K                                             | 10         | 33.0                 | 60        | 2.5                  | 20                | 1.50                         | 305                         |
| -38K                                             | 11         | 39.0                 | 70        | 2.5                  | 18                | 2.00                         | 264                         |

**Parts listed above are QPL/MIL qualified**

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](http://www.delevanfinishes.com)

**Packaging** Tape & reel: 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max.

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