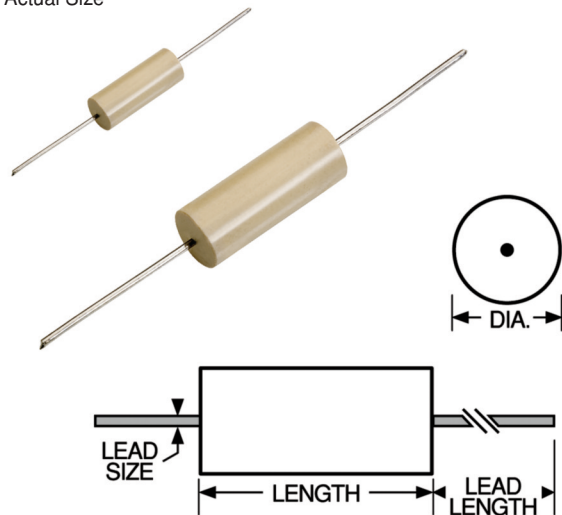


**SERIES 1840R  
1840****Molded Unshielded RF Coils**

Actual Size

**Military Specifications**

MS75008 (LT4K); MS75101 (LT10K)

**Physical Parameters**

|             | Inches        | Millimeters   |
|-------------|---------------|---------------|
| Length      | 0.437 ± 0.010 | 11.10 ± 0.25  |
| Diameter    | 0.187 ± 0.010 | 4.75 ± 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 Range**

LT4K -55°C to +125°C;

LT10K -55°C to +105°C

**Maximum Power Dissipation at 90°C**

LT4K 0.385 W

LT10K 0.165 W

**Weight Max. (Grams) 0.95**

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

Example: 1840R-18K

|               |                 |
|---------------|-----------------|
| <i>Front:</i> | <i>Reverse:</i> |
| DELEVAN       | 3.3uH±10%       |
| 3.3uH±10%     | R 0910A         |

**Packaging** Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max.

● No MS # Issued

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

| DASH NUMBER*                                     | MIL DASH # | INDUCTANCE (μH) | TOLERANCE | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|--------------------------------------------------|------------|-----------------|-----------|-----------|----------------------|-------------------|------------------------------|-----------------------------|
| <b>MS75008- SERIES 1840 PHENOLIC CORE (LT4K)</b> |            |                 |           |           |                      |                   |                              |                             |
| -00M                                             | 21         | 0.15            | ± 20%     | 55        | 25.0                 | 510               | 0.030                        | 3050                        |
| -02M                                             | 22         | 0.22            | ± 20%     | 55        | 25.0                 | 415               | 0.035                        | 2820                        |
| -04M                                             | 23         | 0.33            | ± 20%     | 55        | 25.0                 | 350               | 0.050                        | 2360                        |
| -05M                                             | 24         | 0.39            | ± 20%     | 55        | 25.0                 | 300               | 0.080                        | 1860                        |
| -06M                                             | 24         | 0.47            | ± 20%     | 55        | 25.0                 | 300               | 0.080                        | 1860                        |
| -07K                                             | 25         | 0.56            | ± 10%     | 55        | 25.0                 | 270               | 0.100                        | 1670                        |
| -08K                                             | 26         | 0.68            | ± 10%     | 55        | 25.0                 | 250               | 0.120                        | 1520                        |
| -09K                                             | 27         | 0.82            | ± 10%     | 55        | 25.0                 | 220               | 0.180                        | 1240                        |
| -10K                                             | 28         | 1.00            | ± 10%     | 55        | 25.0                 | 200               | 0.250                        | 1050                        |
| -11K                                             | 29         | 1.20            | ± 10%     | 35        | 7.9                  | 180               | 0.400                        | 835                         |
| -12K                                             | 30         | 1.50            | ± 10%     | 35        | 7.9                  | 170               | 0.485                        | 755                         |
| -13K                                             | 31         | 1.80            | ± 10%     | 35        | 7.9                  | 150               | 0.740                        | 610                         |
| -14K                                             | 32         | 2.20            | ± 10%     | 35        | 7.9                  | 140               | 0.900                        | 555                         |
| -16K                                             | 33         | 2.70            | ± 10%     | 35        | 7.9                  | 120               | 1.100                        | 525                         |
| <b>MS75101- SERIES 1840 IRON CORE (LT10K)</b>    |            |                 |           |           |                      |                   |                              |                             |
| -18K                                             | 1          | 3.30            | ± 10%     | 35        | 7.9                  | 70                | 0.120                        | 1020                        |
| -20K                                             | 2          | 3.90            | ± 10%     | 35        | 7.9                  | 65                | 0.155                        | 900                         |
| -22K                                             | 3          | 4.70            | ± 10%     | 35        | 7.9                  | 60                | 0.210                        | 775                         |
| -24K                                             | 4          | 5.60            | ± 10%     | 35        | 7.9                  | 50                | 0.280                        | 670                         |
| -26K                                             | 5          | 6.80            | ± 10%     | 35        | 7.9                  | 50                | 0.375                        | 580                         |
| -28K                                             | 6          | 8.20            | ± 10%     | 35        | 7.9                  | 48                | 0.400                        | 560                         |
| -30K                                             | 7          | 10.0            | ± 10%     | 35        | 7.9                  | 42                | 0.600                        | 455                         |
| -32K                                             | 8          | 12.0            | ± 10%     | 50        | 2.5                  | 36                | 0.850                        | 385                         |
| -34K                                             | 9          | 15.0            | ± 10%     | 55        | 2.5                  | 30                | 1.200                        | 324                         |
| -35K                                             | 10         | 18.0            | ± 10%     | 60        | 2.5                  | 30                | 1.800                        | 265                         |
| -36K                                             | 11         | 22.0            | ± 10%     | 60        | 2.5                  | 24                | 2.000                        | 251                         |
| -38K                                             | 12         | 27.0            | ± 10%     | 65        | 2.5                  | 22                | 2.750                        | 214                         |

**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)