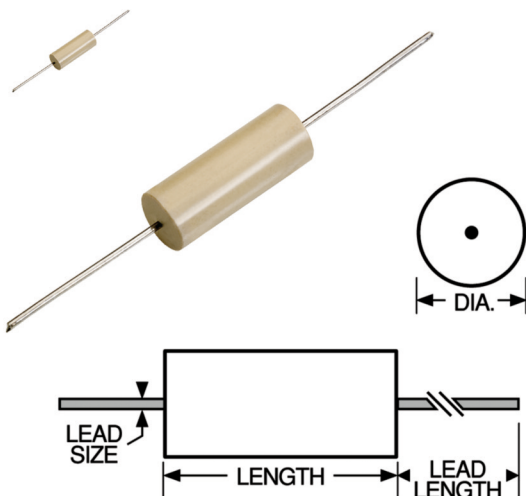


**SERIES****1025R, 1026R****1025****1026**MILITARY  
QPL  
APPROVEDTraditional  
First QualityRoHS  
Compliant**Molded Unshielded RF Coils**

Actual Size

**Military Specifications (1025 Series Only)**

MS75083 (LT4K); MS75084 (LT10K); MS75085 (LT10K)

**Physical Parameters**

|             | Inches         | Millimeters   |
|-------------|----------------|---------------|
| Length      | 0.250 ± 0.010  | 6.35 ± 0.25   |
| Diameter    | 0.095 ± 0.010  | 2.41 ± 0.25   |
| Lead Size   |                |               |
| AWG #24 TCW | 0.020 ± 0.0015 | 0.508 ± 0.038 |
| Lead Length | 1.5 ± 0.12     | 38.1 ± 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**

Phenolic: LT4K 0.21 W

Iron: LT10K 0.09 W

Ferrite: LT10K 0.073 W

**Weight Max. (Grams) 0.3**

• For in-between values see Series 1782 (page 41)

**Note** (1026 Series only) Self Resonant Frequency (SRF) values are calculated and for reference only.**Marking** DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1025R-16K

|               |                 |
|---------------|-----------------|
| <i>Front:</i> | <i>Reverse:</i> |
| DELEVAN       | 2.2uH±10%       |
| 2.2uH±10%     | R 0850B         |

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)

| DASH NUMBER*                                     | MIL DASH # | INDUCTANCE (μH) | TOLERANCE | Q MINIMUM | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|--------------------------------------------------|------------|-----------------|-----------|-----------|-------------------|------------------------------|-----------------------------|
| <b>MS75083- SERIES 1025 PHENOLIC CORE (LT4K)</b> |            |                 |           |           |                   |                              |                             |
| -94K                                             | 1          | 0.10            | ±10%      | 40        | 25.0              | 680.0                        | 0.08                        |
| -96K                                             | 2          | 0.12            | ±10%      | 40        | 25.0              | 640.0                        | 0.09                        |
| -00K                                             | 3          | 0.15            | ±10%      | 38        | 25.0              | 600.0                        | 0.10                        |
| -02K                                             | 4          | 0.18            | ±10%      | 35        | 25.0              | 550.0                        | 0.12                        |
| -04K                                             | 5          | 0.22            | ±10%      | 33        | 25.0              | 510.0                        | 0.14                        |
| -06K                                             | 6          | 0.27            | ±10%      | 33        | 25.0              | 430.0                        | 0.16                        |
| -08K                                             | 7          | 0.33            | ±10%      | 30        | 25.0              | 410.0                        | 0.22                        |
| -10K                                             | 8          | 0.39            | ±10%      | 30        | 25.0              | 365.0                        | 0.30                        |
| -12K                                             | 9          | 0.47            | ±10%      | 30        | 25.0              | 330.0                        | 0.35                        |
| -14K                                             | 10         | 0.56            | ±10%      | 30        | 25.0              | 300.0                        | 0.50                        |
| -16K                                             | 11         | 0.68            | ±10%      | 28        | 25.0              | 275.0                        | 0.60                        |
| -18K                                             | 12         | 0.82            | ±10%      | 28        | 25.0              | 250.0                        | 0.85                        |
| -20K                                             | 13         | 1.0             | ±10%      | 25        | 25.0              | 230.0                        | 1.00                        |
| <b>MS75084- SERIES 1025 IRON CORE (LT10K)</b>    |            |                 |           |           |                   |                              |                             |
| -22K                                             | 1          | 1.2             | ±10%      | 25        | 7.9               | 150.0                        | 0.18                        |
| -24K                                             | 2          | 1.5             | ±10%      | 28        | 7.9               | 140.0                        | 0.22                        |
| -26K                                             | 3          | 1.8             | ±10%      | 30        | 7.9               | 125.0                        | 0.30                        |
| -28K                                             | 4          | 2.2             | ±10%      | 30        | 7.9               | 115.0                        | 0.40                        |
| -30K                                             | 5          | 2.7             | ±10%      | 37        | 7.9               | 100.0                        | 0.55                        |
| -32K                                             | 6          | 3.3             | ±10%      | 45        | 7.9               | 90.0                         | 0.85                        |
| -34K                                             | 7          | 3.9             | ±10%      | 45        | 7.9               | 80.0                         | 1.00                        |
| -36K                                             | 8          | 4.7             | ±10%      | 45        | 7.9               | 75.0                         | 1.20                        |
| -38K                                             | 9          | 5.6             | ±10%      | 50        | 7.9               | 65.0                         | 1.80                        |
| -40K                                             | 10         | 6.8             | ±10%      | 50        | 7.9               | 60.0                         | 2.00                        |
| -42K                                             | 11         | 8.2             | ±10%      | 55        | 7.9               | 55.0                         | 2.70                        |
| -44K                                             | 12         | 10.0            | ±10%      | 55        | 7.9               | 50.0                         | 3.30                        |
| -46K                                             | 13         | 12.0            | ±10%      | 45        | 2.5               | 40.0                         | 2.70                        |
| -48K                                             | 14         | 15.0            | ±10%      | 45        | 2.5               | 35.0                         | 2.80                        |
| -50K                                             | 15         | 18.0            | ±10%      | 50        | 2.5               | 30.0                         | 3.10                        |
| -52K                                             | 16         | 22.0            | ±10%      | 50        | 2.5               | 25.0                         | 3.30                        |
| -54K                                             | 17         | 27.0            | ±10%      | 50        | 2.5               | 20.0                         | 3.50                        |
| <b>MS75085- SERIES 1025 FERRITE CORE (LT10K)</b> |            |                 |           |           |                   |                              |                             |
| -56K                                             | 1          | 33.0            | ±10%      | 45        | 2.5               | 24.0                         | 3.40                        |
| -58K                                             | 2          | 39.0            | ±10%      | 45        | 2.5               | 22.0                         | 3.60                        |
| -60K                                             | 3          | 47.0            | ±10%      | 45        | 2.5               | 20.0                         | 4.50                        |
| -62K                                             | 4          | 56.0            | ±10%      | 45        | 2.5               | 18.0                         | 5.70                        |
| -64K                                             | 5          | 68.0            | ±10%      | 50        | 2.5               | 15.0                         | 6.70                        |
| -66K                                             | 6          | 82.0            | ±10%      | 50        | 2.5               | 14.0                         | 7.30                        |
| -68K                                             | 7          | 100.0           | ±10%      | 50        | 2.5               | 13.0                         | 8.00                        |
| -70K                                             | 8          | 120.0           | ±10%      | 30        | 0.79              | 12.0                         | 13.00                       |
| -72K                                             | 9          | 150.0           | ±10%      | 30        | 0.79              | 11.0                         | 15.00                       |
| -74K                                             | 10         | 180.0           | ±10%      | 30        | 0.79              | 10.0                         | 17.00                       |
| -76K                                             | 11         | 220.0           | ±10%      | 30        | 0.79              | 9.0                          | 21.00                       |
| -78K                                             | 12         | 270.0           | ±10%      | 30        | 0.79              | 8.0                          | 25.00                       |
| -80K                                             | 13         | 330.0           | ±10%      | 30        | 0.79              | 7.0                          | 28.00                       |
| -82K                                             | 14         | 390.0           | ±10%      | 30        | 0.79              | 6.5                          | 35.00                       |
| -84K                                             | 15         | 470.0           | ±10%      | 30        | 0.79              | 6.0                          | 42.00                       |
| -86K                                             | 16         | 560.0           | ±10%      | 30        | 0.79              | 5.0                          | 46.00                       |
| -88K                                             | 17         | 680.0           | ±10%      | 30        | 0.79              | 4.2                          | 60.00                       |
| -90K                                             | 18         | 820.0           | ±10%      | 30        | 0.79              | 3.8                          | 65.00                       |
| -92K                                             | 19         | 1000.0          | ±10%      | 30        | 0.79              | 3.4                          | 72.00                       |
| <b>SERIES 1026 PHENOLIC CORE (LT4K)</b>          |            |                 |           |           |                   |                              |                             |
| -00M                                             |            | 0.022           | ±20%      | 50        | 50.0              | 900.0                        | 0.010                       |
| -02K                                             |            | 0.027           | ±10%      | 40        | 25.0              | 875.0                        | 0.030                       |
| -04K                                             |            | 0.033           | ±10%      | 40        | 25.0              | 850.0                        | 0.035                       |
| -06K                                             |            | 0.039           | ±10%      | 40        | 25.0              | 825.0                        | 0.040                       |
| -08K                                             |            | 0.047           | ±10%      | 40        | 25.0              | 800.0                        | 0.045                       |
| -10K                                             |            | 0.056           | ±10%      | 40        | 25.0              | 775.0                        | 0.050                       |
| -12K                                             |            | 0.068           | ±10%      | 40        | 25.0              | 750.0                        | 0.060                       |
| -14K                                             |            | 0.082           | ±10%      | 40        | 25.0              | 725.0                        | 0.070                       |

**Packaging** Tape & reel: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.**Made in the U.S.A.**