# SERIES 1025R, 1026R / 1025 / 1026

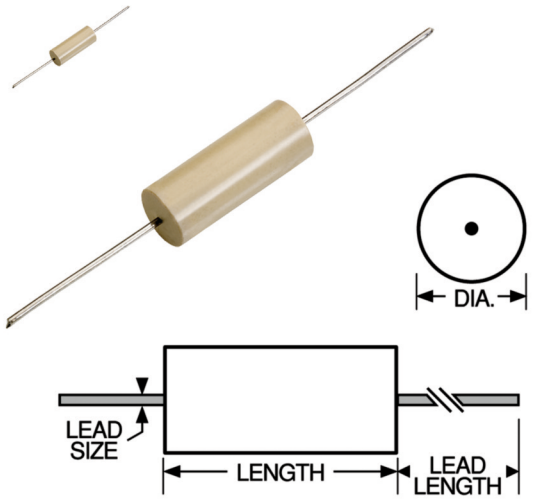
RoHS Compliant

MILITARY QPL APPROVED

Traditional First Quality

## 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

| *Front:* | *Reverse:* |
|---|---|
| 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

| DASH NUMBER* | MIL DASH # | INDUCTANCE (µH) | TOLERANCE | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|---|---|---|---|---|---|---|---|---|
| **MS75083– SERIES 1025 PHENOLIC CORE (LT4K)** | | | | | | | | |
| -94K | 1 | 0.10 | ±10% | 40 | 25.0 | 680.0 | 0.08 | 1380 |
| -96K | 2 | 0.12 | ±10% | 40 | 25.0 | 640.0 | 0.09 | 1300 |
| -00K | 3 | 0.15 | ±10% | 38 | 25.0 | 600.0 | 0.10 | 1230 |
| -02K | 4 | 0.18 | ±10% | 35 | 25.0 | 550.0 | 0.12 | 1120 |
| -04K | 5 | 0.22 | ±10% | 33 | 25.0 | 510.0 | 0.14 | 1040 |
| -06K | 6 | 0.27 | ±10% | 33 | 25.0 | 430.0 | 0.16 | 975 |
| -08K | 7 | 0.33 | ±10% | 30 | 25.0 | 410.0 | 0.22 | 830 |
| -10K | 8 | 0.39 | ±10% | 30 | 25.0 | 365.0 | 0.30 | 710 |
| -12K | 9 | 0.47 | ±10% | 30 | 25.0 | 330.0 | 0.35 | 660 |
| -14K | 10 | 0.56 | ±10% | 30 | 25.0 | 300.0 | 0.50 | 550 |
| -16K | 11 | 0.68 | ±10% | 28 | 25.0 | 275.0 | 0.60 | 500 |
| -18K | 12 | 0.82 | ±10% | 28 | 25.0 | 250.0 | 0.85 | 420 |
| -20K | 13 | 1.0 | ±10% | 25 | 25.0 | 230.0 | 1.00 | 390 |
| **MS75084– SERIES 1025 IRON CORE (LT10K)** | | | | | | | | |
| -22K | 1 | 1.2 | ±10% | 25 | 7.9 | 150.0 | 0.18 | 620 |
| -24K | 2 | 1.5 | ±10% | 28 | 7.9 | 140.0 | 0.22 | 560 |
| -26K | 3 | 1.8 | ±10% | 30 | 7.9 | 125.0 | 0.30 | 480 |
| -28K | 4 | 2.2 | ±10% | 30 | 7.9 | 115.0 | 0.40 | 415 |
| -30K | 5 | 2.7 | ±10% | 37 | 7.9 | 100.0 | 0.55 | 355 |
| -32K | 6 | 3.3 | ±10% | 45 | 7.9 | 90.0 | 0.85 | 285 |
| -34K | 7 | 3.9 | ±10% | 45 | 7.9 | 80.0 | 1.00 | 263 |
| -36K | 8 | 4.7 | ±10% | 45 | 7.9 | 75.0 | 1.20 | 239 |
| -38K | 9 | 5.6 | ±10% | 50 | 7.9 | 65.0 | 1.80 | 195 |
| -40K | 10 | 6.8 | ±10% | 50 | 7.9 | 60.0 | 2.00 | 185 |
| -42K | 11 | 8.2 | ±10% | 55 | 7.9 | 55.0 | 2.70 | 160 |
| -44K | 12 | 10.0 | ±10% | 55 | 7.9 | 50.0 | 3.30 | 144 |
| -46K | 13 | 12.0 | ±10% | 45 | 2.5 | 40.0 | 2.70 | 160 |
| -48K | 14 | 15.0 | ±10% | 45 | 2.5 | 35.0 | 2.80 | 157 |
| -50K | 15 | 18.0 | ±10% | 50 | 2.5 | 30.0 | 3.10 | 149 |
| -52K | 16 | 22.0 | ±10% | 50 | 2.5 | 25.0 | 3.30 | 144 |
| -54K | 17 | 27.0 | ±10% | 50 | 2.5 | 20.0 | 3.50 | 140 |
| **MS75085– SERIES 1025 FERRITE CORE (LT10K)** | | | | | | | | |
| -56K | 1 | 33.0 | ±10% | 45 | 2.5 | 24.0 | 3.40 | 130 |
| -58K | 2 | 39.0 | ±10% | 45 | 2.5 | 22.0 | 3.60 | 125 |
| -60K | 3 | 47.0 | ±10% | 45 | 2.5 | 20.0 | 4.50 | 110 |
| -62K | 4 | 56.0 | ±10% | 45 | 2.5 | 18.0 | 5.70 | 100 |
| -64K | 5 | 68.0 | ±10% | 50 | 2.5 | 15.0 | 6.70 | 92 |
| -66K | 6 | 82.0 | ±10% | 50 | 2.5 | 14.0 | 7.30 | 88 |
| -68K | 7 | 100.0 | ±10% | 50 | 2.5 | 13.0 | 8.00 | 84 |
| -70K | 8 | 120.0 | ±10% | 30 | 0.79 | 12.0 | 13.00 | 66 |
| -72K | 9 | 150.0 | ±10% | 30 | 0.79 | 11.0 | 15.00 | 61 |
| -74K | 10 | 180.0 | ±10% | 30 | 0.79 | 10.0 | 17.00 | 57 |
| -76K | 11 | 220.0 | ±10% | 30 | 0.79 | 9.0 | 21.00 | 52 |
| -78K | 12 | 270.0 | ±10% | 30 | 0.79 | 8.0 | 25.00 | 47 |
| -80K | 13 | 330.0 | ±10% | 30 | 0.79 | 7.0 | 28.00 | 45 |
| -82K | 14 | 390.0 | ±10% | 30 | 0.79 | 6.5 | 35.00 | 40 |
| -84K | 15 | 470.0 | ±10% | 30 | 0.79 | 6.0 | 42.00 | 36 |
| -86K | 16 | 560.0 | ±10% | 30 | 0.79 | 5.0 | 46.00 | 35 |
| -88K | 17 | 680.0 | ±10% | 30 | 0.79 | 4.2 | 60.00 | 30 |
| -90K | 18 | 820.0 | ±10% | 30 | 0.79 | 3.8 | 65.00 | 29 |
| -92K | 19 | 1000.0 | ±10% | 30 | 0.79 | 3.4 | 72.00 | 28 |
| **SERIES 1026 PHENOLIC CORE (LT4K)** | | | | | | | | |
| -00M | | 0.022 | ±20% | 50 | 50.0 | 900.0 | 0.010 | 3800 |
| -02K | | 0.027 | ±10% | 40 | 25.0 | 875.0 | 0.030 | 2200 |
| -04K | | 0.033 | ±10% | 40 | 25.0 | 850.0 | 0.035 | 2000 |
| -06K | | 0.039 | ±10% | 40 | 25.0 | 825.0 | 0.040 | 1900 |
| -08K | | 0.047 | ±10% | 40 | 25.0 | 800.0 | 0.045 | 1800 |
| -10K | | 0.056 | ±10% | 40 | 25.0 | 775.0 | 0.050 | 1700 |
| -12K | | 0.068 | ±10% | 40 | 25.0 | 750.0 | 0.060 | 1500 |
| -14K | | 0.082 | ±10% | 40 | 25.0 | 725.0 | 0.070 | 1400 |

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

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

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