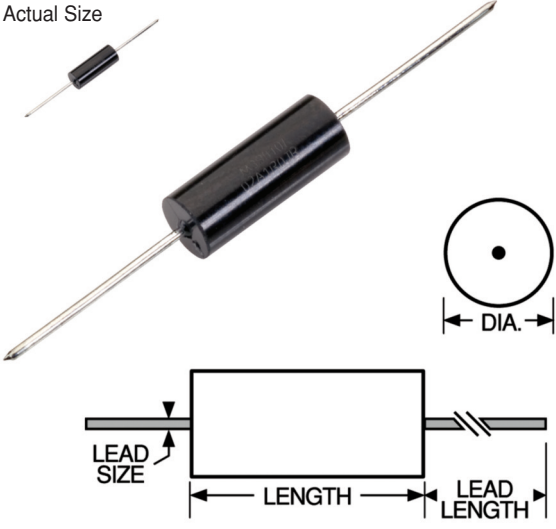


**Molded Shielded RF Coils**

Actual Size



**Military Specifications**

MS21426 (LT10K); MS21427 (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     | 38.10 ± 3.05  |

**Current Rating at 90°C Ambient** 15°C Rise

**Operating Temperature Range** -55°C to +105°C

**Maximum Power Dissipation at 90°C** 0.0585 W

**Weight Max.** (Grams) 0.25

**Incremental Current** Current level which causes a Max. of 5% change in inductance.

**Coupling** 3% Max.

† Self Resonant Frequency (SRF) values are calculated and to be used 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: 0925R-472K

|               |                 |
|---------------|-----------------|
| <i>Front:</i> | <i>Reverse:</i> |
| DELEVAN       | 4.7uH±10%       |
| 4.7uH±10%     | R 0902A         |

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

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

| DASH NUMBER*                                                  | MIL DASH # | INDUCTANCE (μH) ±10% | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) | INCREMENTAL CURRENT (mA) |
|---------------------------------------------------------------|------------|----------------------|----------------------|-------------------|------------------------------|-----------------------------|--------------------------|
| <b>MS21426- SERIES 0925 IRON CORE &amp; SLEEVE (LT10K)</b>    |            |                      |                      |                   |                              |                             |                          |
| -101K                                                         | 1          | 0.10                 | 54                   | 25.0              | 490.0†                       | 0.10                        | 670                      |
| -121K                                                         | 2          | 0.12                 | 52                   | 25.0              | 430.0†                       | 0.11                        | 635                      |
| -151K                                                         | 3          | 0.15                 | 50                   | 25.0              | 415.0†                       | 0.12                        | 610                      |
| -181K                                                         | 4          | 0.18                 | 49                   | 25.0              | 375.0†                       | 0.13                        | 585                      |
| -221K                                                         | 5          | 0.22                 | 47                   | 25.0              | 330.0†                       | 0.15                        | 545                      |
| -271K                                                         | 6          | 0.27                 | 46                   | 25.0              | 300.0†                       | 0.16                        | 530                      |
| -331K                                                         | 7          | 0.33                 | 44                   | 25.0              | 260.0†                       | 0.18                        | 495                      |
| -391K                                                         | 8          | 0.39                 | 42                   | 25.0              | 230.0                        | 0.19                        | 485                      |
| -471K                                                         | 9          | 0.47                 | 41                   | 25.0              | 220.0                        | 0.21                        | 460                      |
| -561K                                                         | 10         | 0.56                 | 41                   | 25.0              | 210.0                        | 0.23                        | 440                      |
| -681K                                                         | 11         | 0.68                 | 39                   | 25.0              | 180.0                        | 0.24                        | 430                      |
| -821K                                                         | 12         | 0.82                 | 38                   | 25.0              | 165.0                        | 0.27                        | 405                      |
| -102K                                                         | 13         | 1.00                 | 37                   | 25.0              | 150.0                        | 0.30                        | 385                      |
| -122K                                                         | 14         | 1.20                 | 40                   | 7.9               | 130.0                        | 0.73                        | 247                      |
| -152K                                                         | 15         | 1.50                 | 41                   | 7.9               | 115.0                        | 0.86                        | 228                      |
| -182K                                                         | 16         | 1.80                 | 43                   | 7.9               | 105.0                        | 0.95                        | 217                      |
| -222K                                                         | 17         | 2.20                 | 45                   | 7.9               | 95.0                         | 1.10                        | 202                      |
| -272K                                                         | 18         | 2.70                 | 48                   | 7.9               | 90.0                         | 1.20                        | 193                      |
| -332K                                                         | 19         | 3.30                 | 49                   | 7.9               | 80.0                         | 1.30                        | 185                      |
| -392K                                                         | 20         | 3.90                 | 50                   | 7.9               | 75.0                         | 1.50                        | 173                      |
| -472K                                                         | 21         | 4.70                 | 53                   | 7.9               | 70.0                         | 2.40                        | 136                      |
| -562K                                                         | 22         | 5.60                 | 54                   | 7.9               | 60.0                         | 2.90                        | 124                      |
| -682K                                                         | 23         | 6.80                 | 55                   | 7.9               | 55.0                         | 3.20                        | 118                      |
| -822K                                                         | 24         | 8.20                 | 55                   | 7.9               | 53.0                         | 3.60                        | 111                      |
| -103K                                                         | 25         | 10.0                 | 57                   | 7.9               | 50.0                         | 4.00                        | 106                      |
| -123K                                                         | 26         | 12.0                 | 36                   | 2.5               | 35.0                         | 3.00                        | 122                      |
| -153K                                                         | 27         | 15.0                 | 38                   | 2.5               | 30.0                         | 3.40                        | 115                      |
| -183K                                                         | 28         | 18.0                 | 40                   | 2.5               | 26.0                         | 3.80                        | 108                      |
| -223K                                                         | 29         | 22.0                 | 40                   | 2.5               | 24.0                         | 4.90                        | 96                       |
| -273K                                                         | 30         | 27.0                 | 40                   | 2.5               | 21.0                         | 5.80                        | 88                       |
| -333K                                                         | 31         | 33.0                 | 41                   | 2.5               | 20.0                         | 6.50                        | 83                       |
| -393K                                                         | 32         | 39.0                 | 42                   | 2.5               | 19.0                         | 7.90                        | 75                       |
| -473K                                                         | 33         | 47.0                 | 44                   | 2.5               | 16.0                         | 9.30                        | 69                       |
| -563K                                                         | 34         | 56.0                 | 44                   | 2.5               | 15.0                         | 11.0                        | 64                       |
| -683K                                                         | 35         | 68.0                 | 45                   | 2.5               | 13.0                         | 12.0                        | 61                       |
| -823K                                                         | 36         | 82.0                 | 45                   | 2.5               | 11.0                         | 13.0                        | 59                       |
| -104K                                                         | 37         | 100.0                | 40                   | 2.5               | 10.5                         | 16.8                        | 51                       |
| <b>MS21427- SERIES 0925 FERRITE CORE &amp; SLEEVE (LT10K)</b> |            |                      |                      |                   |                              |                             |                          |
| -124K                                                         | 1          | 120.0                | 31                   | 0.79              | 13.0                         | 5.80                        | 88                       |
| -154K                                                         | 2          | 150.0                | 33                   | 0.79              | 12.0                         | 7.90                        | 75                       |
| -184K                                                         | 3          | 180.0                | 33                   | 0.79              | 11.0                         | 9.40                        | 69                       |
| -224K                                                         | 4          | 220.0                | 35                   | 0.79              | 10.0                         | 11.0                        | 64                       |
| -274K                                                         | 5          | 270.0                | 37                   | 0.79              | 9.0                          | 12.0                        | 61                       |
| -334K                                                         | 6          | 330.0                | 40                   | 0.79              | 8.0                          | 16.0                        | 53                       |
| -394K                                                         | 7          | 390.0                | 38                   | 0.79              | 7.8                          | 21.0                        | 46                       |
| -474K                                                         | 8          | 470.0                | 36                   | 0.79              | 7.5                          | 24.0                        | 43                       |
| -564K                                                         | 9          | 560.0                | 36                   | 0.79              | 7.0                          | 28.0                        | 40                       |

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3%

\*Complete part # must include series # PLUS the dash #

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)

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