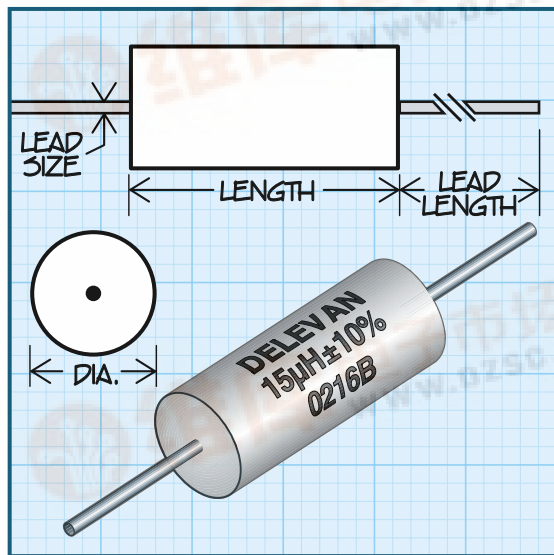


# Series 2150R 2150

查询"2150R-14K"供应商  
Molded Unshielded RF Coils

RoHS  
Compliant

MILITARY  
QPL  
APPROVED



## 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

**Packaging** Tape & reel: 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

DASH NUMBER\*

MIL DASH #

INDUCTANCE  
(µH) ±10%

Q MINIMUM

TEST FREQUENCY (MHz)

SRF MINIMUM (MHz)

DC RESISTANCE  
MAXIMUM (OHMS)

CURRENT RATING  
MAXIMUM (mA)

| MS90542- SERIES 2150 PHENOLIC CORE (LT4K) |    |      |    |      |     |      |      |
|-------------------------------------------|----|------|----|------|-----|------|------|
| -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  |
| MS14052- SERIES 2150 IRON CORE (LT10K)    |    |      |    |      |     |      |      |
| -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 further surface finish information,  
refer to TECHNICAL section of this catalog.

RF INDUCTORS