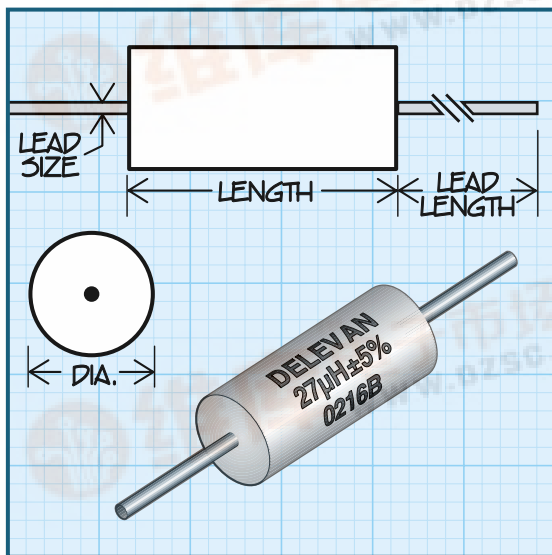


# Series 1537R

1537R  
1537  
查询"1537R-74J"供应商  
Molded Unshielded RF Coils



**Military Specifications** MS14046 (LT10K);  
MS18130 (LT4K); MS90538 (LT10K);

● No MS # Issued

## Physical Parameters

|             | Inches        | Millimeters   |
|-------------|---------------|---------------|
| Length      | 0.375 ± 0.010 | 9.53 ± 0.25   |
| Diameter    | 0.156 ± 0.010 | 3.96 ± 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 0.312 W  
LT10K 0.134 W

**Weight Max.** (Grams) 0.9

• For in-between values, see Series 511 (page 44)

**Packaging** Tape & reel: 12" reel, 2500 pieces max.;  
14" reel, 4000 pieces max. For additional packaging  
options, see technical section.

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)

### MS18130- SERIES 1537 PHENOLIC CORE (LT4K)

|      |    |      |       |    |      |       |       |      |
|------|----|------|-------|----|------|-------|-------|------|
| -00M | 1  | 0.15 | ± 20% | 50 | 25.0 | 525.0 | 0.03  | 2740 |
| -02M | 2  | 0.22 | ± 20% | 50 | 25.0 | 450.0 | 0.055 | 2020 |
| -04M | 3  | 0.33 | ± 20% | 45 | 25.0 | 360.0 | 0.09  | 1580 |
| -06M | 4  | 0.47 | ± 20% | 45 | 25.0 | 310.0 | 0.12  | 1370 |
| -07K | 5  | 0.56 | ± 10% | 50 | 25.0 | 280.0 | 0.135 | 1290 |
| -08K | 6  | 0.68 | ± 10% | 50 | 25.0 | 250.0 | 0.15  | 1220 |
| -10K | 7  | 0.82 | ± 10% | 50 | 25.0 | 220.0 | 0.22  | 1020 |
| -12K | 8  | 1.00 | ± 10% | 50 | 25.0 | 200.0 | 0.29  | 880  |
| -14K | 9  | 1.20 | ± 10% | 33 | 7.9  | 180.0 | 0.42  | 730  |
| -16K | 10 | 1.50 | ± 10% | 33 | 7.9  | 160.0 | 0.50  | 670  |
| -18K | 11 | 1.80 | ± 10% | 33 | 7.9  | 150.0 | 0.65  | 590  |
| -20K | 12 | 2.20 | ± 10% | 33 | 7.9  | 135.0 | 0.95  | 485  |
| -22K | 13 | 2.70 | ± 10% | 33 | 7.9  | 120.0 | 1.20  | 430  |
| -24K | 14 | 3.30 | ± 10% | 33 | 7.9  | 110.0 | 2.00  | 335  |
| -26K | 15 | 3.90 | ± 10% | 33 | 7.9  | 100.0 | 2.30  | 310  |
| -28K | 16 | 4.70 | ± 10% | 33 | 7.9  | 90.0  | 2.60  | 294  |

### MS14046- SERIES 1537 IRON CORE (LT10K)

|      |    |      |       |    |     |      |      |     |
|------|----|------|-------|----|-----|------|------|-----|
| -30K | 1  | 5.60 | ± 10% | 45 | 7.9 | 60.0 | 0.32 | 565 |
| -32K | 2  | 6.80 | ± 10% | 50 | 7.9 | 55.0 | 0.50 | 450 |
| -34K | 3  | 8.20 | ± 10% | 50 | 7.9 | 50.0 | 0.60 | 410 |
| -36K | 4  | 10.0 | ± 10% | 55 | 7.9 | 45.0 | 0.90 | 335 |
| -38K | 5  | 12.0 | ± 10% | 65 | 2.5 | 42.0 | 1.10 | 305 |
| -40K | 6  | 15.0 | ± 10% | 65 | 2.5 | 40.0 | 1.40 | 271 |
| -42K | 7  | 18.0 | ± 10% | 75 | 2.5 | 34.0 | 2.25 | 213 |
| -44K | 8  | 22.0 | ± 10% | 75 | 2.5 | 30.0 | 2.50 | 202 |
| -46J | ●  | 24.0 | ± 5%  | 60 | 2.5 | 26.0 | 2.50 | 202 |
| -47K | 9  | 27.0 | ± 10% | 60 | 2.5 | 25.0 | 2.60 | 198 |
| -48J | ●  | 27.0 | ± 5%  | 60 | 2.5 | 25.0 | 2.60 | 198 |
| -50J | ●  | 30.0 | ± 5%  | 65 | 2.5 | 21.0 | 2.80 | 191 |
| -51K | 10 | 33.0 | ± 10% | 65 | 2.5 | 19.0 | 3.00 | 185 |
| -52J | ●  | 33.0 | ± 5%  | 65 | 2.5 | 19.0 | 3.00 | 185 |

### MS90538- SERIES 1537 IRON CORE (LT10K)

|      |    |       |      |    |      |      |      |     |
|------|----|-------|------|----|------|------|------|-----|
| -54J | 1  | 36.0  | ± 5% | 60 | 2.5  | 15.5 | 2.50 | 202 |
| -56J | 2  | 39.0  | ± 5% | 60 | 2.5  | 14.5 | 2.60 | 198 |
| -58J | 3  | 43.0  | ± 5% | 60 | 2.5  | 13.7 | 2.70 | 194 |
| -60J | 4  | 47.0  | ± 5% | 55 | 2.5  | 13.0 | 2.75 | 193 |
| -62J | 5  | 51.0  | ± 5% | 55 | 2.5  | 12.7 | 2.85 | 189 |
| -64J | 6  | 56.0  | ± 5% | 55 | 2.5  | 12.0 | 3.00 | 184 |
| -66J | 7  | 62.0  | ± 5% | 55 | 2.5  | 11.5 | 3.15 | 180 |
| -68J | 8  | 68.0  | ± 5% | 55 | 2.5  | 11.0 | 3.30 | 176 |
| -70J | 9  | 75.0  | ± 5% | 55 | 2.5  | 10.5 | 3.70 | 166 |
| -72J | 10 | 82.0  | ± 5% | 50 | 2.5  | 10.3 | 3.90 | 162 |
| -74J | 11 | 91.0  | ± 5% | 50 | 2.5  | 10.0 | 4.30 | 154 |
| -76J | 12 | 100.0 | ± 5% | 50 | 2.5  | 9.5  | 4.50 | 151 |
| -78J | 13 | 110.0 | ± 5% | 60 | 0.79 | 8.9  | 4.90 | 144 |
| -80J | 14 | 120.0 | ± 5% | 65 | 0.79 | 8.7  | 5.20 | 140 |
| -82J | 15 | 130.0 | ± 5% | 65 | 0.79 | 8.5  | 5.45 | 137 |
| -84J | 16 | 150.0 | ± 5% | 65 | 0.79 | 8.0  | 6.05 | 130 |
| -86J | 17 | 160.0 | ± 5% | 65 | 0.79 | 7.5  | 6.40 | 126 |
| -88J | 18 | 180.0 | ± 5% | 65 | 0.79 | 7.0  | 6.75 | 123 |
| -90J | 19 | 200.0 | ± 5% | 65 | 0.79 | 6.5  | 7.10 | 120 |
| -92J | 20 | 220.0 | ± 5% | 65 | 0.79 | 6.2  | 7.45 | 117 |
| -94J | 21 | 240.0 | ± 5% | 65 | 0.79 | 5.9  | 7.80 | 115 |

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.