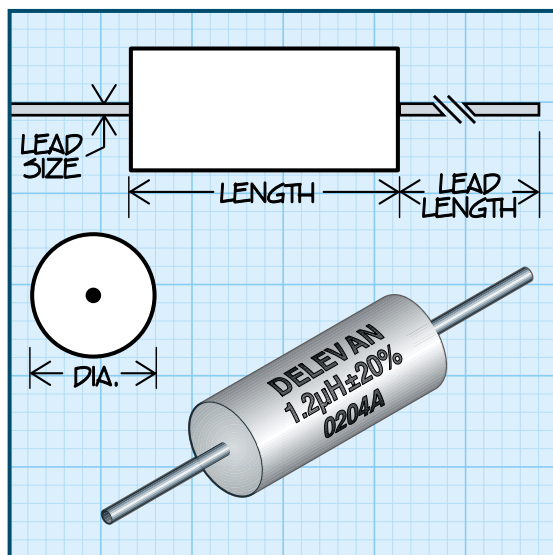


# Series 1944R & 1945R 1944 & 1945 Molded Unshielded RF Coils

查询"1944R-09M"供应商

RoHS  
Compliant

Traditional  
First Quality



**Test Methods** MIL-PRF-15305 test methods, only.  
MS21389-01 to MS21389-17, reference - 1944 Series

MS21390-01 to MS21390-39, reference - 1945 Series

## Physical Parameters

|             | Inches         | Millimeters    |
|-------------|----------------|----------------|
| Length      | 0.420 to 0.447 | 10.67 to 11.35 |
| Diameter    | 0.168 to 0.193 | 4.27 to 4.90   |
| Lead Size   |                |                |
| AWG #22 TCW | 0.023 to 0.027 | 0.584 to 0.686 |
| Lead Length | 1.30 Min.      | 33.02 Min.     |

**Current Rating at 90°C Ambient** 35°C Rise

**Operating Temperature** -55°C to +125°C

## Maximum Power Dissipation at 90°C

Series 1944: 0.385 W

Series 1945: 0.330 W

**Packaging** Tape & reel: 12" reel, 2500 pieces max.;  
14" reel, 3000 pieces max. For additional packaging  
options, see technical section.

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

DASH NUMBER\*

MIL DASH # (Ref.)

INDUCTANCE (µH)

TOLERANCE

INDUCTANCE TEST  
FREQUENCY (MHz)

Q-TEST FREQUENCY (MHz)

Q MINIMUM

SRF MINIMUM (MHz)

DC RESISTANCE  
MAXIMUM (OHMS)

CURRENT RATING  
MAXIMUM (mA)

## MS21389 (reference) - SERIES 1944 PHENOLIC CORE

|      |    |      |       |     |    |    |     |       |      |
|------|----|------|-------|-----|----|----|-----|-------|------|
| -01M | 1  | 0.10 | ± 20% | 25  | 50 | 75 | 400 | 0.020 | 4000 |
| -02M | 2  | 0.12 | ± 20% | 25  | 50 | 75 | 400 | 0.025 | 3500 |
| -03M | 3  | 0.15 | ± 20% | 25  | 50 | 75 | 400 | 0.030 | 3000 |
| -04M | 4  | 0.18 | ± 20% | 25  | 50 | 65 | 400 | 0.030 | 3000 |
| -05M | 5  | 0.22 | ± 20% | 25  | 50 | 65 | 400 | 0.030 | 3000 |
| -06M | 6  | 0.27 | ± 20% | 25  | 45 | 65 | 376 | 0.040 | 2700 |
| -07M | 7  | 0.33 | ± 20% | 25  | 40 | 65 | 352 | 0.045 | 2500 |
| -08M | 8  | 0.39 | ± 20% | 25  | 40 | 60 | 320 | 0.070 | 2000 |
| -09M | 9  | 0.47 | ± 20% | 25  | 25 | 55 | 288 | 0.070 | 2000 |
| -10M | 10 | 0.56 | ± 20% | 25  | 25 | 50 | 264 | 0.100 | 1700 |
| -11M | 11 | 0.68 | ± 20% | 25  | 25 | 50 | 240 | 0.120 | 1500 |
| -12M | 12 | 0.82 | ± 20% | 25  | 25 | 45 | 220 | 0.160 | 1300 |
| -13M | 13 | 1.00 | ± 20% | 25  | 20 | 45 | 200 | 0.230 | 1100 |
| -14M | 14 | 1.20 | ± 20% | 7.9 | 20 | 45 | 176 | 0.280 | 1000 |
| -15K | 15 | 1.50 | ± 10% | 7.9 | 15 | 45 | 160 | 0.380 | 850  |
| -16K | 16 | 1.80 | ± 10% | 7.9 | 15 | 45 | 144 | 0.540 | 720  |
| -17K | 17 | 2.20 | ± 10% | 7.9 | 15 | 45 | 132 | 0.750 | 610  |

## MS21390 (reference) - SERIES 1945 IRON CORE

|      |    |      |       |      |      |    |      |      |      |
|------|----|------|-------|------|------|----|------|------|------|
| -01K | 1  | 2.70 | ± 10% | 7.9  | 10   | 55 | 88   | 0.11 | 1600 |
| -02K | 2  | 3.30 | ± 10% | 7.9  | 10   | 55 | 80   | 0.14 | 1400 |
| -03K | 3  | 3.90 | ± 10% | 7.9  | 10   | 60 | 76   | 0.19 | 1200 |
| -04K | 4  | 4.70 | ± 10% | 7.9  | 7.9  | 70 | 72   | 0.28 | 1000 |
| -05K | 5  | 5.60 | ± 10% | 7.9  | 7.9  | 65 | 64   | 0.34 | 900  |
| -06K | 6  | 6.80 | ± 10% | 7.9  | 7.9  | 65 | 56   | 0.43 | 800  |
| -07K | 7  | 8.20 | ± 10% | 7.9  | 7.9  | 60 | 52   | 0.56 | 720  |
| -08K | 8  | 10.0 | ± 10% | 7.9  | 5.0  | 60 | 48   | 0.67 | 650  |
| -09K | 9  | 12.0 | ± 10% | 2.5  | 5.0  | 65 | 42.4 | 0.81 | 590  |
| -10K | 10 | 15.0 | ± 10% | 2.5  | 2.5  | 80 | 37.6 | 1.15 | 500  |
| -11K | 11 | 18.0 | ± 10% | 2.5  | 2.5  | 75 | 34.4 | 1.40 | 460  |
| -12K | 12 | 22.0 | ± 10% | 2.5  | 2.5  | 75 | 32.0 | 1.60 | 430  |
| -13J | 13 | 27.0 | ± 5%  | 2.5  | 2.5  | 75 | 28.8 | 2.30 | 360  |
| -14J | 14 | 33.0 | ± 5%  | 2.5  | 2.5  | 85 | 25.6 | 3.30 | 300  |
| -15J | 15 | 39.0 | ± 5%  | 2.5  | 2.5  | 80 | 20.8 | 3.32 | 290  |
| -16J | 16 | 47.0 | ± 5%  | 2.5  | 2.5  | 80 | 17.6 | 3.70 | 275  |
| -17J | 17 | 56.0 | ± 5%  | 2.5  | 2.5  | 75 | 15.2 | 3.99 | 265  |
| -18J | 18 | 68.0 | ± 5%  | 2.5  | 2.5  | 75 | 12.8 | 4.48 | 250  |
| -19J | 19 | 82.0 | ± 5%  | 2.5  | 2.5  | 75 | 10.4 | 5.07 | 235  |
| -20J | 20 | 100  | ± 5%  | 2.5  | 1.5  | 75 | 8.00 | 5.78 | 220  |
| -21J | 21 | 120  | ± 5%  | 0.79 | 0.79 | 65 | 5.76 | 5.00 | 170  |
| -22J | 22 | 150  | ± 5%  | 0.79 | 0.79 | 65 | 5.36 | 5.80 | 164  |
| -23J | 23 | 180  | ± 5%  | 0.79 | 0.79 | 65 | 5.04 | 6.60 | 158  |
| -24J | 24 | 220  | ± 5%  | 0.79 | 0.79 | 65 | 4.72 | 7.40 | 155  |
| -25J | 25 | 270  | ± 5%  | 0.79 | 0.79 | 65 | 4.48 | 8.00 | 150  |
| -26J | 26 | 300  | ± 5%  | 0.79 | 0.79 | 65 | 4.24 | 8.60 | 145  |
| -27J | 27 | 330  | ± 5%  | 0.79 | 0.79 | 65 | 4.00 | 8.90 | 142  |
| -28J | 28 | 360  | ± 5%  | 0.79 | 0.79 | 65 | 3.76 | 9.60 | 137  |
| -29J | 29 | 390  | ± 5%  | 0.79 | 0.79 | 65 | 3.60 | 9.90 | 135  |
| -30J | 30 | 430  | ± 5%  | 0.79 | 0.79 | 65 | 3.44 | 10.4 | 131  |
| -31J | 31 | 470  | ± 5%  | 0.79 | 0.79 | 65 | 3.20 | 10.9 | 128  |
| -32J | 32 | 510  | ± 5%  | 0.79 | 0.79 | 65 | 3.04 | 11.6 | 124  |
| -33J | 33 | 560  | ± 5%  | 0.79 | 0.79 | 60 | 2.88 | 11.8 | 123  |
| -34J | 34 | 620  | ± 5%  | 0.79 | 0.79 | 60 | 2.80 | 12.5 | 120  |
| -35J | 35 | 680  | ± 5%  | 0.79 | 0.79 | 60 | 2.72 | 13.5 | 115  |
| -36J | 36 | 750  | ± 5%  | 0.79 | 0.79 | 60 | 2.64 | 14.0 | 113  |
| -37J | 37 | 820  | ± 5%  | 0.79 | 0.79 | 60 | 2.48 | 15.0 | 110  |
| -38J | 38 | 910  | ± 5%  | 0.79 | 0.79 | 60 | 2.40 | 15.5 | 107  |
| -39J | 39 | 1000 | ± 5%  | 0.79 | 0.79 | 60 | 2.24 | 16.5 | 104  |

Optional Tolerances: K = 10% 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.