

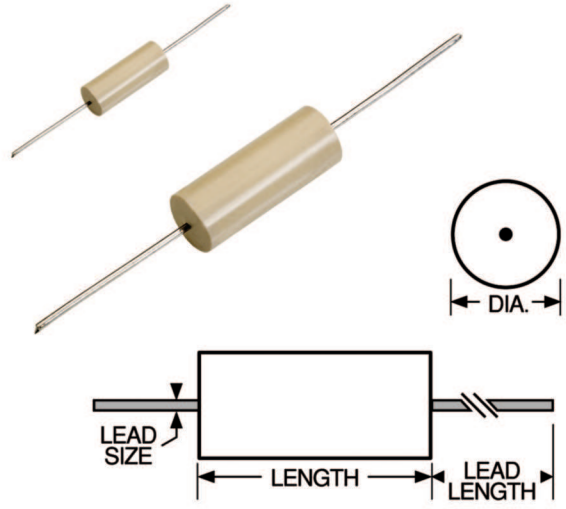
SERIES

1944R & 1945R
1944 & 1945



Molded Unshielded RF Coils

Actual Size



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

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1944-14M

Front: DELEVAN 1.2uH±20%
Reverse: 0704A

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max.

Made in the U.S.A.

DASH NUMBER*	MIL DASH # (Ref.)	INDUCTANCE (uH)	TOLERANCE	INDUCTANCE TEST FREQUENCY (MHz)	Q TEST FREQUENCY (MHz)	SRF MINIMUM	Q MINIMUM	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
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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 surface finish information, refer to www.delevanfinishes.com