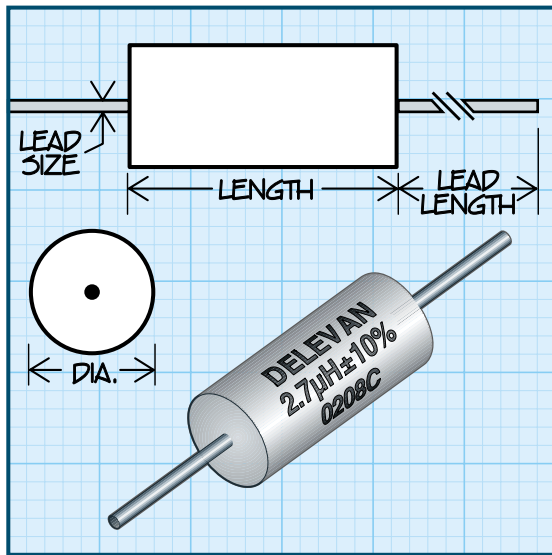


**Molded Unshielded RF Coils**



**Military Specifications**

MS75008 (LT4K); MS75101 (LT10K)

**Physical Parameters**

	Inches	Millimeters
Length	0.437 ± 0.010	11.10 ± 0.25
Diameter	0.187 ± 0.010	4.75 ± 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 0.385 W  
LT10K 0.165 W

**Weight Max.** (Grams) 0.95

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

● No MS # Issued

*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)

MS75008- SERIES 1840 PHENOLIC CORE (LT4K)								
-00M	21	0.15	± 20%	55	25.0	510	0.030	3050
-02M	22	0.22	± 20%	55	25.0	415	0.035	2820
-04M	23	0.33	± 20%	55	25.0	350	0.050	2360
-05M	●	0.39	± 20%	55	25.0	300	0.080	1860
-06M	24	0.47	± 20%	55	25.0	300	0.080	1860
-07K	25	0.56	± 10%	55	25.0	270	0.100	1670
-08K	26	0.68	± 10%	55	25.0	250	0.120	1520
-09K	27	0.82	± 10%	55	25.0	220	0.180	1240
-10K	28	1.00	± 10%	55	25.0	200	0.250	1050
-11K	29	1.20	± 10%	35	7.9	180	0.400	835
-12K	30	1.50	± 10%	35	7.9	170	0.485	755
-13K	31	1.80	± 10%	35	7.9	150	0.740	610
-14K	32	2.20	± 10%	35	7.9	140	0.900	555
-16K	33	2.70	± 10%	35	7.9	120	1.100	525
MS75101- SERIES 1840 IRON CORE (LT10K)								
-18K	1	3.30	± 10%	35	7.9	70	0.120	1020
-20K	2	3.90	± 10%	35	7.9	65	0.155	900
-22K	3	4.70	± 10%	35	7.9	60	0.210	775
-24K	4	5.60	± 10%	35	7.9	50	0.280	670
-26K	5	6.80	± 10%	35	7.9	50	0.375	580
-28K	6	8.20	± 10%	35	7.9	48	0.400	560
-30K	7	10.0	± 10%	35	7.9	42	0.600	455
-32K	8	12.0	± 10%	50	2.5	36	0.850	385
-34K	9	15.0	± 10%	55	2.5	30	1.200	324
-35K	10	18.0	± 10%	60	2.5	30	1.800	265
-36K	11	22.0	± 10%	60	2.5	24	2.000	251
-38K	12	27.0	± 10%	65	2.5	22	2.750	214

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.