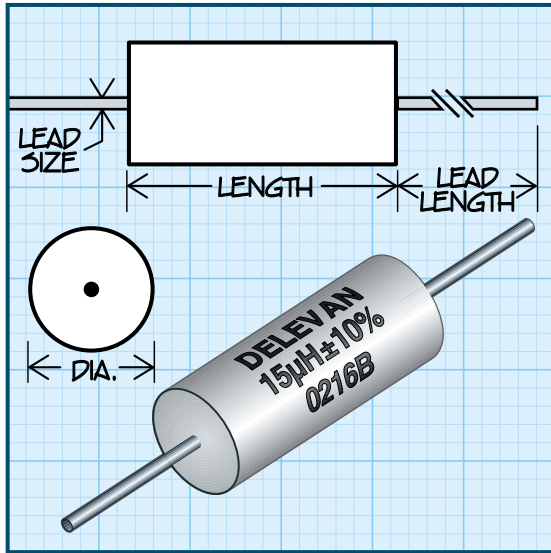


**Molded Unshielded RF Coils**



**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)
<b>MS90542- SERIES 2150 PHENOLIC CORE (LT4K)</b>							
-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
<b>MS14052- SERIES 2150 IRON CORE (LT10K)</b>							
-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.

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