

Molded RF coils



MILITARY SPECIFICATIONS

MS-14047 (LT10K)

MS-14048 (LT10K)

MS-75052 (LT4K)

SERIES

3500

Delevan Part Number	Inductance Microhenries $\pm 10\%$	Q Min.	Test Frequency (MHz)	Resonant Frequency Min. (MHz)	D.C. Resistance Max. (ohms)	Current Rating Max. (mA)	Mold Size	Core Material	Delevan Part Number	Inductance Microhenries $\pm 10\%$	Q Min.	Test Frequency (MHz)	Resonant Frequency Min. (MHz)	D.C. Resistance Max. (ohms)	Current Rating Max. (mA)	Mold Size	Core Material
3500-00	47	18	2.5	13.5	5.9	225	A	IRON (LT10K)	3500-26	560	80	.79	3.5	10.0	133	C	IRON (LT10K)
3500-02	56	18		13.0	6.4	216	A		3500-28	680	75		3.2	11.2	125	C	
3500-04	68	70		13.0	3.3	210	A		3500-30	820	75		3.0	13.0	116	C	
3500-06	82	65		11.7	3.5	196	A		3500-32	1000	70		2.7	14.5	110	C	
3500-08	100	65		10.7	3.8	188	A		3500-34	1500	85		2.2	22.0	93	D	
3500-10	120	75	.79	9.3	4.7	169	A	IRON (LT10K)	3500-36†	2000	85	.25	1.9	26.0	86	D	IRON (LT10K)
3500-12	150	75		8.3	5.3	159	A		3500-37	2200	85		1.8	27.0	84	D	
3500-14	180	80		6.0	5.5	171	B		3500-38†	2500	85		1.7	30.0	80	D	
3500-16	220	80		5.5	5.9	165	B		3500-39	2700	85		1.6	32.0	77	D	
3500-18	270	80		5.1	6.6	156	B		3500-40†	5000	70		1.2	65.0	54	D*	
3500-20	330	75	.79	4.2	7.8	143	B	IRON (LT10K)	3500-41	5100	70	.25	1.0	66.0	53	D	IRON
3500-22	390	75		3.9	8.7	136	B		3500-42†	10000	70		.8	70.0	52	D*	
3500-24	470	80		3.7	9.0	140	C		3500-44	10000	70		.8	70.0	52	D	

PHYSICAL PARAMETERS

Mold Size	Diameter		Length		Lead Type & Size		Lead Length		Power Dissipation at 90°C Max. (Watts)	Weight Max. (Grams)
	$\pm .010$ Inches	$\pm .25$ mm	$\pm .010$ Inches	$\pm .25$ mm	Inches $\pm .002$	$\pm .051$ mm	$\pm .12$ Inches	± 3.05 mm		
A	.250	[6.35]	.560	[14.22]	AWG #22 TCW .025	[-.635]	1.44	[36.58]	Phenolic .415 Iron .175	2.0
B	.310	[7.87]	.560	[14.22]	AWG #21 TCW .028	[-.711]	1.44	[36.58]	.21	2.8
C	.375	[9.53]	.625	[15.88]	AWG #21 TCW .028	[-.711]	1.44	[36.58]	.23	4.0
D	.468	[11.89]	.687	[17.45]	AWG #21 TCW .028	[-.711]	1.44	[36.58]	.25	6.4
					*AWG #20 TCW .032	[-.813]				

CURRENT RATING AT 90° C AMB.

Phenolic 35° C Rise
Iron & Ferrite 15° C Rise

OPERATING TEMPERATURE

LT4K -55° C to +125° C
LT10K -55° C to +105° C

†No MS # Issued.

PHYSICAL PARAMETERS — in inches and [millimeters.]

