

Molded RF coils



MILITARY SPECIFICATIONS

MS-14047 (LT10K)
MS-14048 (LT10K)
MS-75052 (LT4K)

SERIES

3500

Delevan Part Number	Inductance Microhenries ±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 ±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	PHENOLIC (LT4K)	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	2.5	13.0	3.3	210	A	IRON (LT10K)	3500-30	820	75	.25	3.0	13.0	116	C	IRON (LT10K)
3500-06	82	65		11.7	3.5	196			3500-32	1000	70		2.7	14.5	110		
3500-08	100	65	.79	10.7	3.8	188	A	IRON (LT10K)	3500-34	1500	85	.25	2.2	22.0	93	D	IRON (LT10K)
3500-10	120	75		9.3	4.7	169			3500-36†	2000	85		1.9	26.0	86		
3500-12	150	75	.79	8.3	5.3	159	A	IRON (LT10K)	3500-37	2200	85	.25	1.8	27.0	84	D	IRON (LT10K)
3500-14	180	80		6.0	5.5	171			3500-38†	2500	85		1.7	30.0	80		
3500-16	220	80	.79	5.5	5.9	165	B	IRON (LT10K)	3500-39	2700	85	.25	1.6	32.0	77	D	IRON (LT10K)
3500-18	270	80		5.1	6.6	156			3500-40†	5000	70		1.2	65.0	54		
3500-20	330	75	.79	4.2	7.8	143	B	IRON (LT10K)	3500-41	5100	70	.25	1.0	66.0	53	D*	FERRITE
3500-22	390	75		3.9	8.7	136			3500-42†	10000	70		.8	70.0	52		
3500-24	470	80	.79	3.7	9.0	140	C	IRON (LT10K)	3500-44	10000	70	.25	.8	70.0	52	D	IRON

PHYSICAL PARAMETERS

Mold Size	Diameter		Length		Lead Type & Size		Lead Length		Power Dissipation at 90°C Max. (Watts)		Weight Max. (Grams)
	±.010 Inches	±.25 mm	±.010 Inches	±.25 mm	Inches ±.002	±.051 mm	±.12 Inches	±3.05 mm	Phenolic	Iron	
A	.250	[6.35]	.560	[14.22]	AWG #22 TCW .025	[-.635]	1.44	[36.58]	.415	.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.]

