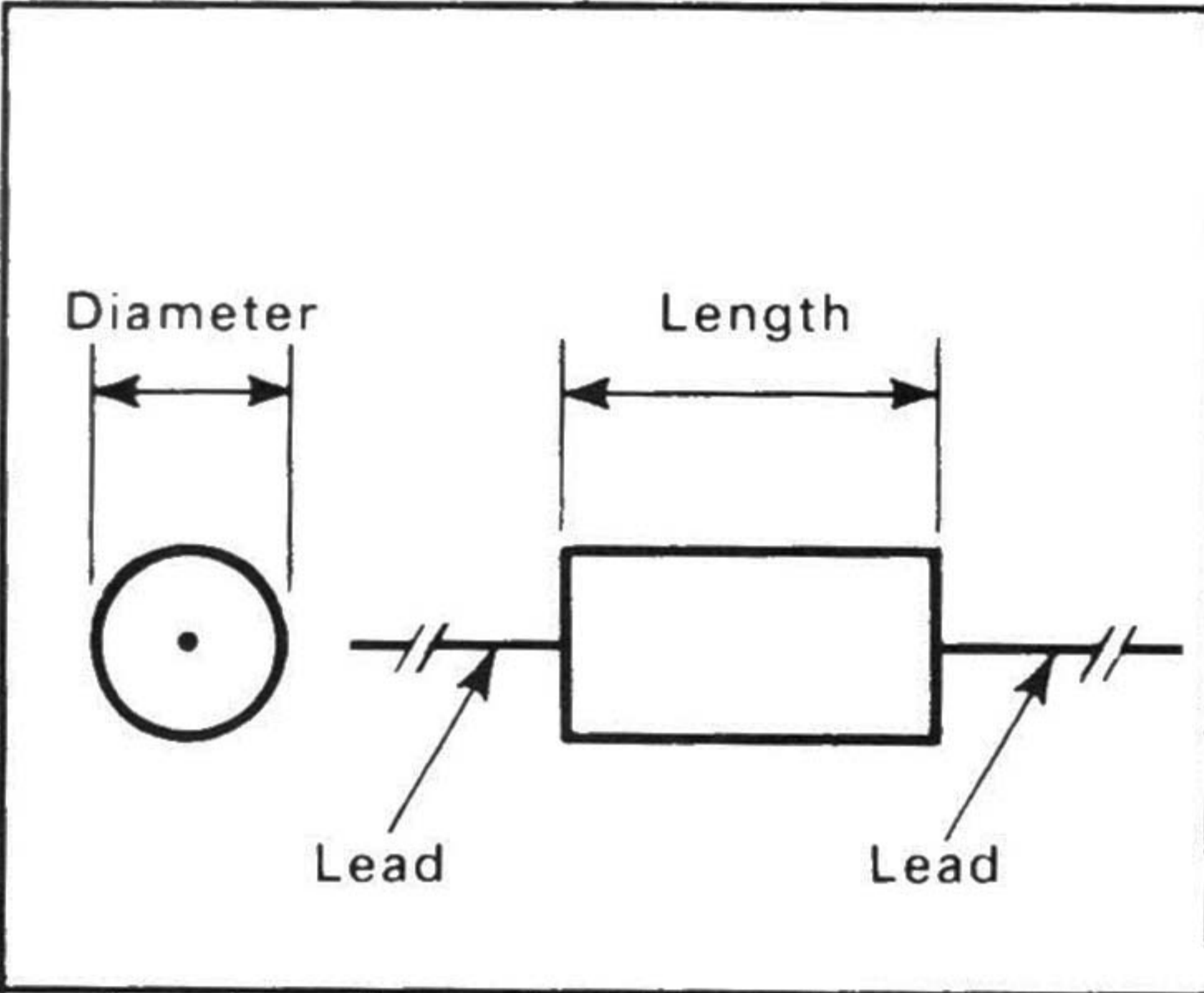
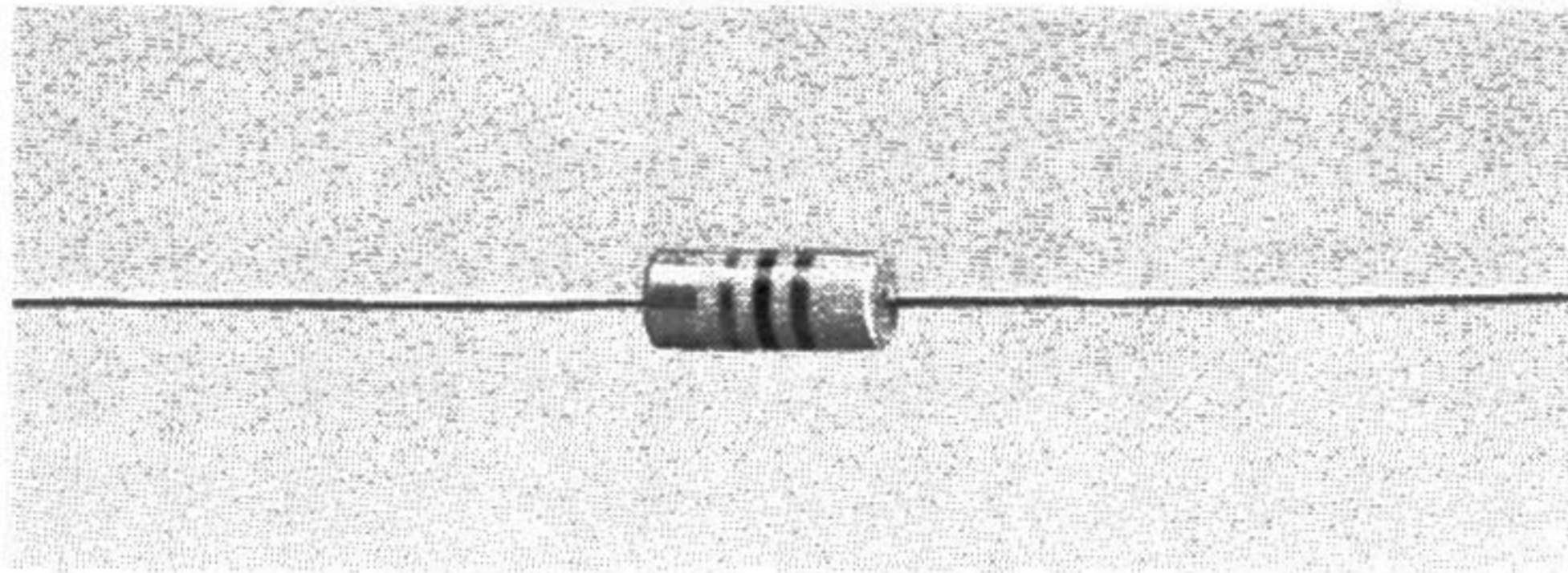


# 1537 SERIES

## Delevan molded RF coils

### MILITARY SPECIFICATIONS

- MS-14046** (LT10K)
- MS-18130** (LT4K)
- MS-90538** (LT10K)



### PHYSICAL PARAMETERS\*

LENGTH  
 .375 ± .010      9.53 ± .25  
 DIAMETER  
 .156 ± .010      3.96 ± .25  
 LEAD SIZE AWG #22 TCW  
 .025 ± .002      .635 ± .051  
 LEAD LENGTH  
 1.44 ± .12      36.58 ± 3.05

### CURRENT RATING AT 90°C AMB.

LT4K 35°C Rise  
 LT10K 15°C Rise

### OPERATING TEMPERATURE

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

### POWER DISSIPATION AT 90°C

LT4K .312 Max. (Watts)  
 LT10K .134 Max. (Watts)

### WEIGHT MAX. (GRAMS) .9

(1) No MS # Issued

\*PHYSICAL PARAMETERS  
 in black type are in inches.  
 Blue type indicates millimeters.

Delevan Part Number	Inductance Microhenries	Q Min.	Test Frequency (MHz)	Resonant Frequency Min. (MHz)	D.C. Resistance Max. (ohms)	Current Rating Max. (mA)	Core Material	
1537-00	.15 ± 20%	50		525	.03	2740	PHENOLIC (LT4K)	
1537-02	.22 ± 20%	50	25.0	450	.055	2020		
1537-04	.33 ± 20%	45		360	.09	1580		
1537-06	.47 ± 20%	45		310	.12	1370		
1537-07	.56 ± 10%	50	25.0	280	.135	1290		
1537-08	.68 ± 10%	50		250	.15	1220		
1537-10	.82 ± 10%	50	25.0	220	.22	1020		
1537-12	1.00 ± 10%	50	25.0	200	.29	880		
1537-14	1.20 ± 10%	33	7.9	180	.42	730		
1537-16	1.50 ± 10%	33		160	.50	670		
1537-18	1.80 ± 10%	33	7.9	150	.65	590		
1537-20	2.20 ± 10%	33		135	.95	485		
1537-22	2.70 ± 10%	33		120	1.20	430		
1537-24	3.30 ± 10%	33	7.9	110	2.00	335		
1537-26	3.90 ± 10%	33		100	2.30	310		
1537-28	4.70 ± 10%	33		90	2.60	294		
1537-30	5.60 ± 10%	45		60	.32	565		IRON (LT10K)
1537-32	6.80 ± 10%	50	7.9	55	.50	450		
1537-34	8.20 ± 10%	50		50	.60	410		
1537-36	10.0 ± 10%	55	7.9	45	.90	335		
1537-38	12.0 ± 10%	65	2.5	42	1.10	305		
1537-40	15.0 ± 10%	65	2.5	40	1.40	271		
1537-42	18.0 ± 10%	75		34	2.25	213		
1537-44	22.0 ± 10%	75	2.5	30	2.50	202		
1537-46(1)	24.0 ± 5%	60		26	2.50	202		
1537-47	27.0 ± 10%	60		25	2.60	198		
1537-48(1)	27.0 ± 5%	60	2.5	25	2.60	198		
1537-50(1)	30.0 ± 5%	65		21	2.80	191		
1537-51	33.0 ± 10%	65		19	3.00	185		
1537-52(1)	33.0 ± 5%	65	2.5	19	3.00	185		
1537-54	36.0 ± 5%	60		15.5	2.50	202		
1537-56	39.0 ± 5%	60		14.5	2.60	198		
1537-58	43.0 ± 5%	60	2.5	13.7	2.70	194		
1537-60	47.0 ± 5%	55		13.0	2.75	193		
1537-62	51.0 ± 5%	55		12.7	2.85	189		
1537-64	56.0 ± 5%	55	2.5	12.0	3.00	184		
1537-66	62.0 ± 5%	55		11.5	3.15	180		
1537-68	68.0 ± 5%	55		11.0	3.30	176		
1537-70	75.0 ± 5%	55	2.5	10.5	3.70	166		
1537-72	82.0 ± 5%	50		10.3	3.90	162		
1537-74	91.0 ± 5%	50	2.5	10.0	4.30	154		
1537-76	100.0 ± 5%	50	2.5	9.5	4.50	151		
1537-78	110.0 ± 5%	60	.79	8.9	4.90	144		
1537-80	120.0 ± 5%	65		8.7	5.20	140		
1537-82	130.0 ± 5%	65	.79	8.5	5.45	137		
1537-84	150.0 ± 5%	65		8.0	6.05	130		
1537-86	160.0 ± 5%	65		7.5	6.40	126		
1537-88	180.0 ± 5%	65	.79	7.0	6.75	123		
1537-90	200.0 ± 5%	65		6.5	7.10	120		
1537-92	220.0 ± 5%	65	.79	6.2	7.45	117		
1537-94	240.0 ± 5%	65		5.9	7.80	115		



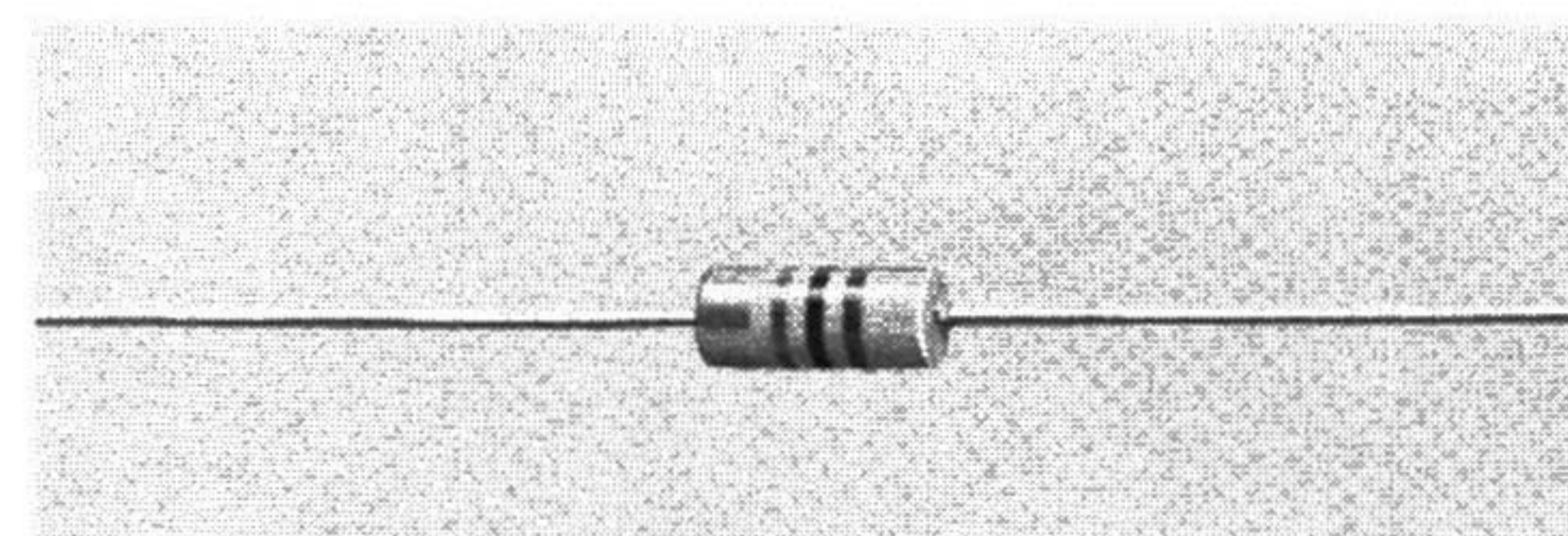
## Delevan molded RF coils

SERIES **1638**

Delevan Part Number	Inductance Microhenries $\pm 5\%$	Q Min.	Test Frequency (MHz)	Resonant Frequency Min. (MHz)	D.C. Resistance Max. (ohms)	Current Rating Max. (mA)	Core Material
1638-00	270	65		5.7	11.0	143	POWDERED IRON
1638-02	300	65	.79	5.4	11.5	140	
1638-04	330	65		5.1	12.0	136	
1630-06	360	65		4.8	12.5	134	
1638-08	390	65	.79	4.5	16.3	117	
1638-10	430	65		4.2	17.1	115	
1638-12	470	65		3.9	17.9	112	
1638-14	510	65	.79	3.7	18.8	109	
1638-16	560	65		3.8	19.5	107	
1638-18	620	65		3.3	25.9	93	
1638-20	680	65	.79	3.1	27.2	91	
1638-22	750	65		2.9	28.6	88	
1638-24	820	65		2.7	30.0	86	
1638-26	910	65	.79	2.5	31.5	84	
1638-28	1000	65		2.3	33.0	82	

### MILITARY SPECIFICATIONS

**MIL-C-15305** (LT4K)



### PHYSICAL PARAMETERS\*

LENGTH  
 .375  $\pm$  .010      9.53  $\pm$  .25  
 DIAMETER  
 .156  $\pm$  .010      3.96  $\pm$  .25  
 LEAD SIZE AWG #22 TCW  
 .025  $\pm$  .002      .635  $\pm$  .051  
 LEAD LENGTH  
 1.44  $\pm$  .12      36.58  $\pm$  3.05

**CURRENT RATING AT 90°C AMB.**  
 LT4K 35°C Rise

**OPERATING TEMPERATURE**  
 LT4K -55°C to +125°C

**POWER DISSIPATION AT 90°C**  
 .312 Max. (Watts)

**WEIGHT MAX. (GRAMS) 1.0**

\*PHYSICAL PARAMETERS  
 in black type are in inches.  
 Blue type indicates millimeters.