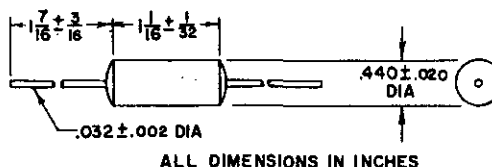


FED. SUP. CLASS
5950

RATINGS

STYLE _____ LT4
 GRADE _____ I
 CLASS _____ B
 MAXIMUM OPERATING TEMPERATURE _____ 125°C
 TEMPERATURE RISE _____ 35°C
 AMBIENT TEMPERATURE _____ 90°C
 WORKING VOLTAGE _____ 535 VOLTS
 TERMINAL PULL _____ 5 POUNDS
 ALTITUDE _____ 70,000 FEET



ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. 1/	Type designation	Replaced type designation	Replaced MS part No.	Inductance	Q min.	Test frequency	Self-resonant frequency, min.	DC resistance max.	Rated dc current 2/
				<u>uh</u>		<u>Mc</u>	<u>Mc</u>	<u>Ohms</u>	<u>ma</u>
-1	LT4K158	LT8K067	MS16444-1	4.7 ± 5%	80	7.90	73.0	0.21	1,540
-2	LT4K159	LT8K068	MS16444-2	5.6 ± 5%	80	7.90	64.0	0.24	1,440
-3	LT4K160	LT8K069	MS16444-3	6.8 ± 5%	80	7.90	61.0	0.33	1,230
-4	LT4K161	LT8K070	MS16444-4	8.2 ± 5%	81	7.90	56.0	0.43	1,075
-5	LT4K162	LT8K071	MS16444-5	10.0 ± 5%	82	7.90	51.0	0.60	910
-6	LT4K163	LT8K072	MS16444-6	12.0 ± 5%	53	2.50	46.0	0.83	775
-7	LT4K164	LT8K073	MS16445-1	15.0 ± 5%	53	2.50	42.0	1.15	725
-8	LT4K165	LT8K074	MS16445-2	18.0 ± 5%	54	2.50	35.0	1.60	615
-9	LT4K166	LT8K075	MS16445-3	22.0 ± 5%	33	2.50	20.0	0.17	1,890
-10	LT4K167	LT8K076	MS16445-4	27.0 ± 5%	33	2.50	18.0	0.24	1,590
-11	LT4K168	LT8K077	MS16445-5	33.0 ± 5%	33	2.50	16.5	0.33	1,360
-12	LT4K169	LT8K078	MS16445-6	39.0 ± 5%	33	2.50	15.0	0.37	1,280
-13	LT4K170	LT8K079	MS16445-7	47.0 ± 5%	33	2.50	13.5	0.50	1,100
-14	LT4K171	LT8K080	MS16445-8	56.0 ± 5%	33	2.50	12.5	0.68	945
-15	LT4K172	LT8K081	MS16445-9	68.0 ± 5%	33	2.50	11.0	0.92	810
-16	LT4K173	LT8K082	MS16445-10	82.0 ± 5%	33	2.50	10.0	1.25	695
-17	LT4K174	LT8K083	MS16445-11	100.0 ± 5%	42	2.50	9.2	1.40	660
-18	LT4K175	LT8K084	MS16445-12	120.0 ± 5%	73	0.79	8.3	1.95	560
-19	LT4K176	LT8K085	MS16445-13	150.0 ± 5%	77	0.79	7.4	2.80	465
-20	LT4K177	LT8K086	MS16445-14	180.0 ± 5%	78	0.79	6.8	3.60	410
-21	LT4K178	---	---	220.0 ± 5%	80	0.79	6.1	4.90	350
-22	LT4K179	LT8K087	---	250.0 ± 5%	80	0.79	5.7	5.40	335
-23	LT4K180	---	---	270.0 ± 5%	80	0.79	5.5	7.00	295
-24	LT4K181	---	---	330.0 ± 5%	80	0.79	4.9	8.00	275

- 1/ The dash number in this military-standard number constitutes the MS part number; for example MS -1.
 2/ P. A. current shall be dc and 1½ times the rated dc current.

ELECTRICAL CHARACTERISTICS (FINAL)

Inspection group	Allowable variation from initial measurement			
	Inductance	Q	Self-resonant frequency	DC resistance
	Percent	Percent	Percent	Percent
Qualification inspection:				
Group II	2	20	2	2
Group III	2	10	2	2
Acceptance inspection:				
Group B	2	10	2	2
Group C	2	10	2	2

NOTES:

- THE BAROMETRIC-PRESSURE TEST (TEST-CONDITION LETTER C) IS APPLICABLE.
- INITIAL INSULATION-RESISTANCE TEST, AND INSULATION-RESISTANCE MEASUREMENTS FOLLOWING OTHER TESTS, ARE APPLICABLE.
- THE TEMPERATURE-RISE, TERMINAL-TWIST, AND SHOCK (METHOD I, CONDITION C, 50G) TESTS ARE APPLICABLE.
- THE POLARIZING VOLTAGE DURING THE MOISTURE-RESISTANCE TEST IS APPLIED WITH THE POSITIVE LEAD CONNECTED TO THE COIL TERMINALS TIED TOGETHER, AND THE NEGATIVE LEAD CONNECTED TO THE METAL STRAP.
- REFERENCED DOCUMENT SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENT REFERENCED HEREIN.
- VIBRATION-TEST II, TEST CONDITION B, IS APPLICABLE, IN ADDITION UNITS SHALL BE RIGIDLY MOUNTED BY THE BODY.

P.A.	MI	TITLE	MILITARY STANDARD
Other Cust	EL	COILS, RADIOFREQUENCY, PLASTIC ENCASED,	
	ASD	TYPES LT4K158 TO LT4K181, INCL.	MS 75056
PROCUREMENT SPECIFICATION MIL-C-15305	SUPERSEDES:		SHEET 1 OF 1

This military standard is approved by the Department of Defense and is mandatory on all activities. Subject to all engineering and design applications and for repetitive use shall be made from this document.

APPROVED 9 May 1963
 REVISED A 25 Aug 1972

5950-0434-6