

RATINGS					FED. SUP CLASS 5950	
STYLE	LT4				<p>ALL DIMENSIONS IN INCHES</p>	
GRADE	1					
CLASS	B					
MAXIMUM OPERATING TEMPERATURE	129°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 MS part no. MS16440 Rev C	Replaced type designation and MS part no. for MS16440 Rev. B		Inductance	Q min.	Test frequency	Self-resonant frequency, min.	DC resistance max.	Rated dc current 2/
			Type designation	Part no.						
- 1	LT4K101	MS16440-1	LT7K030	MS16440-1	4.7 ± 10%	30	7.9	35	0.14	2,085
- 2	LT4K102	MS16440-2	LT7K031	MS16440-2	5.6 ± 10%	30	7.9	32	0.19	1,790
- 3	LT4K103	MS16440-3	LT7K032	MS16440-3	6.8 ± 10%	30	7.9	29	0.22	1,665
- 4	LT4K104	MS16440-4	LT7K035	MS16440-4	8.2 ± 10%	30	7.9	27	0.28	1,480
- 5	LT4K105	MS16440-5	LT7K034	MS16440-5	10.0 ± 10%	30	7.9	24	0.39	1,245
- 6	LT4K106	MS16440-6	LT7K035	MS16440-6	12.0 ± 10%	22	2.5	22	0.50	1,100
- 7	LT4K107	MS16440-7	LT7K036	MS16440-7	15.0 ± 10%	22	2.5	20	0.70	930
- 8	LT4K108	MS16440-8	LT7K037	MS16440-8	18.0 ± 10%	18	2.5	18	0.96	795
- 9	LT4K109	MS16440-9	LT7K038	MS16440-9	22.0 ± 10%	16	2.5	16	1.30	685
- 10	LT4K110	MS16440-10	LT7K039	MS16440-10	28.0 ± 10%	15	2.5	15	0.34	1,340
- 11	LT4K111	MS16440-11	LT7K040	MS16440-11	35.0 ± 10%	13	2.5	13	0.45	1,160
- 12	LT4K112	MS16440-12	LT7K041	MS16440-12	45.0 ± 10%	12	2.5	12	0.58	1,020
- 13	LT4K113	MS16440-13			55.0 ± 10%	11	1.5	11	3.70	405
- 14	LT4K114	MS16440-14			68.0 ± 10%	10	2.5	10	4.20	380
- 15	LT4K115	MS16440-15			82.0 ± 10%	9.30	2.5	9.30	5.70	325
- 16	LT4K116	MS16440-16			100.0 ± 10%	8.50	2.5	8.50	7.80	280
- 17	LT4K117	MS16440-17				7.60	2.5	7.60	10.50	240

  

1/ The dash number added to the MS part number constitutes the MS part number; for example MS18133-1.  
 2/ For the overload test, the current shall be 1 1/2 times the rated dc current.

  

ELECTRICAL CHARACTERISTICS (FINAL)				
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, METAL ENCASED, TYPES LT4K101 to LT4K117, DCL.	MS 18133
PROCUREMENT SPECIFICATION MIL-C-15305		SUPERSEDES: MS16440	SHEET 1 OF 1

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

APPROVED 23 April 1964 REVISED (A) 25 Aug 1972