

RATINGS		FED. SUP CLASS 5950	
STYLE	LT4		
GRADE	1		
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	ALL DIMENSIONS IN INCHES	

## ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. 1/	Type designation	Replaced MS part no. for MS16443 Rev. C	Replaced type designation and MS part no. for MS16443 Rev. B	Inductance	Q min.	Test frequency min.	Self-resonant frequency min.	DC resistance max.	Rated dc current %
			Type designation Part No.	μh		Mc	Mc	Ohms	mA
-1	LT4K149	MS16443-1	LT7K058 MS16443-1	500 ± 5%	50	.790	4.00	5.5	330
-2	LT4K150	MS16443-2	LT7K059 MS16443-2	100 ± 5%	45	.790	2.60	8.0	275
-3	LT4K151	MS16443-3	LT7K060 MS16443-3	50 ± 5%	50	.250	1.90	10.0	245
-4	LT4K152	MS16443-4	LT7K061 MS16443-4	50 ± 5%	50	.250	1.60	12.0	225
-5	LT4K153	MS16443-5	LT7K062 MS16443-5	50 ± 5%	50	.250	1.40	14.0	210
-6	LT4K154	MS16443-6	LT7K063 MS16443-6	50 ± 5%	50	.250	0.85	21.0	170
-7	LT4K155	MS16443-7	LT7K064 MS16443-7	50 ± 5%	70	.079	0.54	26.0	155
-8	LT4K156	MS16443-8	LT7K065 MS16443-8	50 ± 5%	70	.079	0.45	33.0	135
-9	LT4K157	MS16443-9	LT7K066 MS16443-9	1,000 ± 5%	70	.079	0.38	33.0	125

- 1/ The dash number added to the MS part number constitutes the MS part number; for example MS18117-1.
- 2/ For the overload test, the current shall be 1-1/2 times the rated dc current.

## ELECTRICAL CHARACTERISTICS (FINAL)

Section 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:

1. THE BAROMETRIC-PRESSURE TEST (TEST-CONDITION LETTER C) IS APPLICABLE.
2. INITIAL INSULATION-RESISTANCE TEST, AND INSULATION-RESISTANCE MEASUREMENTS FOLLOWING OTHER TESTS, ARE APPLICABLE.
3. THE TEMPERATURE-RISE, TERMINAL-TWIST, AND SHOCK (METHOD I, CONDITION C, 50G) TESTS ARE APPLICABLE.
4. 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.
5. REFERENCED DOCUMENT SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
6. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENT REFERENCED HEREIN.
7. VIBRATION-TEST II, TEST CONDITION B, IS APPLICABLE, IN ADDITION UNITS SHALL BE RIGIDLY MOUNTED BY THE BODY.

This standard has been approved by the Department of the Army and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

P.A.	MI	TITLE	MILITARY STANDARD
Other Cust	EL	COILS, RADIOFREQUENCY, METAL ENCASED,	MS18117
	ASD	TYPES LT4K149 TO LT4K157, INCL.	
PROCUREMENT SPECIFICATION	SUPERSEDES:	MS16443	SHEET 1 OF 1
MIL-C-15305			

6980-0434-1