

RATINGS					FED. SUP CLASS 5950				
STYLE	LT4				<p style="text-align: center;">ALL DIMENSIONS IN INCHES</p>				
GRADE	1								
CLASS	B								
MAXIMUM OPERATING TEMPERATURE	125°C								
TEMPERATURE RISE	35°C								
AMBIENT TEMPERATURE	90°C								
WORKING VOLTAGE	250 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/
-1	LT4K059	LT7K218	MS16223-8	180 ± 10%	80	0.790	6.0	5.5	225
-2	LT4K060	LT7K219	MS16223-9	220 ± 10%	80	0.790	5.5	5.9	220
-3	LT4K061	LT7K220	MS16223-10	270 ± 10%	80	0.790	5.1	6.6	210
-4	LT4K062	LT7K221	MS16223-11	330 ± 10%	75	0.790	4.2	7.8	185
-5	LT4K063	LT7K222	MS16223-12	390 ± 10%	75	0.790	3.9	8.7	180

  

1/ The dash number added to the MS military-standard number constitutes the MS part number; for example MS75053-1.

2/ For the overload test, the 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	5	2
Group III	5	15	10	2
Acceptance inspection:				
Group B	2	10	5	2
Group C	5	15	10	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.

  

B
CANCELED AFTER
19 SEPTEMBER 1972

USE MS 14048

  

P.A.	Ships	TITLE	MILITARY STANDARD
Other Cust	EL	COILS, RADIOFREQUENCY, MOLDED, TYPES LT4K059 TO LT4K063, INCL.	MS 75053
	ASD		
PROCUREMENT SPECIFICATION	SUPERSEDES:	MS16223 In part	SHEET 1 OF 1
ML-C-15305	Part Nos.	MS16223-8 through MS16223-12.	

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

APPROVED 3 May 1965 REVISED 23 April 1964 (B) 19 September 1972