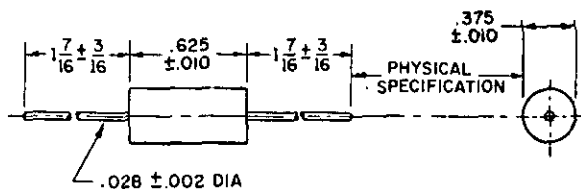


FED. SUP CLASS  
5950

## RATINGS

STYLE ----- LT4  
 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



ALL DIMENSIONS IN INCHES

## ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. $\checkmark$	Type designation	Replaced type designation	Replaced MS part No.	Inductance	Q min	Test frequency	Self-resonant frequency, min.	DC resistance max	Rated dc current $\checkmark$
				<u>uh</u>		<u>Mc</u>	<u>Mc</u>	<u>Ohms</u>	<u>ma</u>
-1	LT4K064	LT7K223	MS16223-13	470 $\pm$ 10%	80	0.790	3.7	9.0	190
-2	LT4K065	LT7K224	MS16223-14	560 $\pm$ 10%	80	0.790	3.5	10.0	180
-3	LT4K066	LT7K225	MS16223-15	680 $\pm$ 10%	75	0.790	3.2	11.2	170
-4	LT4K067	LT7K226	MS16223-16	820 $\pm$ 10%	75	0.790	3.0	13.0	155
-5	LT4K068	LT7K227	MS16223-17	1,000 $\pm$ 10%	70	0.790	2.7	14.5	145

$\checkmark$  The dash number added to the MS military-standard number constitutes the MS part number; for example MS75054-1.

$\checkmark$  For the overload test, the current shall be dc and  $1\frac{1}{2}$  times the rated dc current.

## ELECTRICAL CHARACTERISTICS (FINAL)

Inspection group	Allowable variation from initial measurement			
	Inductance	Q	Self-resonant frequency	DC resistance
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
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

MS14049

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.

P.A.	Ships	TITLE	MILITARY STANDARD
Other Cust	EL	COILS, RADIOFREQUENCY, MOLDED, TYPES LT4K064 TO LT4K068, INCL	MS 75054
	ASD		
PROCUREMENT SPECIFICATION MIL-C-15305	SUPERSEDES: MS16223 In part Part Nos. MS16223-13 through MS16223-17.	SHEET 1 OF 1	