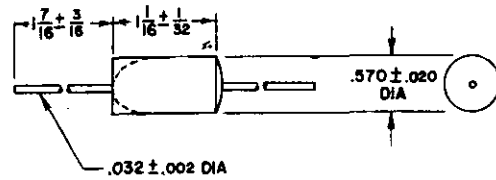


FED. SUP CLASS  
5950

## RATINGS

STYLE \_\_\_\_\_ LT4  
 GRADE \_\_\_\_\_ 1  
 CLASS \_\_\_\_\_ B  
 MAXIMUM OPERATING TEMPERATURE \_\_\_\_\_ 125°C  
 TEMPERATURE RISE \_\_\_\_\_ 35°C  
 AMBIENT TEMPERATURE \_\_\_\_\_ 90°C  
 WORKING VOLTAGE \_\_\_\_\_ 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., MS16446 Rev C	Replaced type designation and MS part no., for MS16446 Rev. B		Inductance	Q min.	Test frequency	Self-resonant frequency min.	DC resistance max.	Rated dc current 2/
			Type designation	Part No.						
- 1	LT4K182	MS16446-1	LT8K088	MS16446-1	uh	60	Mc	Mc	Ohms	mg
- 2	LT4K183	MS16446-2	LT8K089	MS16446-2	300 ± 5%		0.79	5.00	3.3	430
- 3	LT4K184	MS16446-3	LT8K090	MS16446-3	360 ± 5%		0.79	4.60	3.6	410
- 4	LT4K185	MS16446-4	LT8K091	MS16446-4	430 ± 5%		0.79	4.20	4.1	385
- 5	LT4K186	MS16446-5	LT8K092	MS16446-5	500 ± 5%		0.79	3.90	4.5	370
- 6	LT4K187	MS16446-6	LT8K092	MS16446-6			0.79	3.50	5.1	345
- 7	LT4K188	MS16446-7	LT8K092	MS16446-7			0.79	3.20	5.7	325
- 8	LT4K189	MS16446-8	LT8K093	MS16446-8		55	0.79	2.90	6.5	305
- 9	LT4K190	MS16446-9	LT8K094	MS16446-9		55	0.79	2.70	6.8	300
- 10	LT4K191	MS16446-10				85	0.25	2.10	7.6	285
- 11	LT4K192	MS16446-11	LT8K095	MS16446-11	800 ± 5%		0.25	1.90	8.6	265
- 12	LT4K193	MS16446-12	LT8K095	MS16446-12	2,200 ± 5%	72	0.25	1.60	10.5	240
- 13	LT4K194	MS16446-13	LT8K095	MS16446-13	2,400 ± 5%	72	0.25	1.50	11.7	230
- 14	LT4K195	MS16446-14			3,000 ± 5%	70	0.25	1.10	12.5	220
- 15	LT4K196	MS16446-15			3,600 ± 5%	70	0.25	1.05	13.5	210
- 16	LT4K197	MS16446-16			4,300 ± 5%	70	0.25	0.96	15.0	200
- 17	LT4K198	MS16446-17			5,100 ± 5%	70	0.25	0.91	16.5	190
- 18	LT4K199	MS16446-18			6,200 ± 5%	70	0.25	0.84	19.0	180

1/ The MS military-standard number constitutes the MS part number; for example MS18131-1.  
 2/ For the current, the current shall be dc and 1/2 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.

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

P.A. M Other Cust EL ASD	TITLE COILS, RADIO FREQUENCY, PLASTIC ENCASED, TYPES LT4K182 to LT4K199, INCL.	MILITARY STANDARD MS 18131
PROCUREMENT SPECIFICATION MIL-C-15305	SUPERSEDES: MS16446	SHEET 1 OF 1

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5950-0434-3