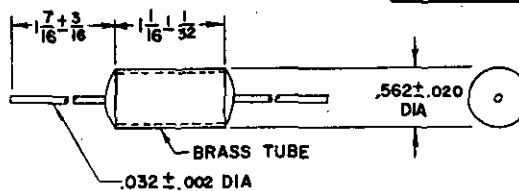


FED. SUP CLASS  
5950

## RATINGS

STYLE \_\_\_\_\_ LT4  
 GRADE \_\_\_\_\_ 1  
 CLASS \_\_\_\_\_ 8  
 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. MS16441 Rev. D	Replaced type designation and MS part no. for MS16441 Rev. C		Inductance	Q min.	Test frequency	Self-resonant frequency, min.	DC resistance max.	Rated dc current 2/
			Type designation	Part No.						
- 1	LT4K118	MS16441-1	---	---	uh		Mc	Mc	Ohms	ma
- 2	LT4K119	MS16441-2	---	---	12.0 ± 10%	32	2.5	22	0.25	1,560
- 3	LT4K120	MS16441-3	---	---	15.0 ± 10%	32	2.5	20	0.36	1,300
- 4	LT4K121	MS16441-4	---	---	18.0 ± 10%	33	2.5	18	0.41	1,215
- 5	LT4K122	MS16441-5	---	---	20.0 ± 10%	34	2.5	17	0.56	1,040
- 6	LT4K123	MS16441-6	---	---	25.0 ± 10%	35	2.5	15	0.77	890
- 7	LT4K124	MS16441-7	---	---	30.0 ± 10%	35	2.5	13	1.10	740
- 8	LT4K125	MS16441-8	---	---	35.0 ± 10%	35	2.5	12	1.40	660
- 9	LT4K126	MS16441-9	---	---	40.0 ± 10%	35	2.5	11	1.60	615
- 10	LT4K127	MS16441-10	---	---	45.0 ± 10%	35	2.5	10.5	2.10	540
- 11	LT4K128	MS16441-11	---	---	50.0 ± 10%	35	2.5	9.6	2.60	480
- 12	LT4K129	MS16441-12	---	---	60.0 ± 10%	35	2.5	8.7	2.90	460
- 13	LT4K130	MS16441-13	---	---	70.0 ± 10%	35	2.5	8.0	3.20	435
			---	---	120.0 ± 5%	26	0.79	7.3	3.60	410

- 1/ The dash number added to the type designation constitutes the MS part number; for example MS18132-1.  
 2/ For the overload test, the current shall be 1 1/2 times the rated dc current.

## ELECTRICAL CHARACTERISTICS (FINAL)

	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.

P.A.	MI	TITLE	MILITARY STANDARD
Other Cust	EL ASD	COILS, RADIOFREQUENCY, METAL ENCASED, TYPES LT4K118 to LT4K130, INCL.	MS 18132
PROCUREMENT SPECIFICATION MIL-C-15305	SUPERSEDES:	MS16441	SHEET 1 OF 1

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5950-0434-4

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25 Aug 1972  
APPROVED 23 April 1964 REVISED

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