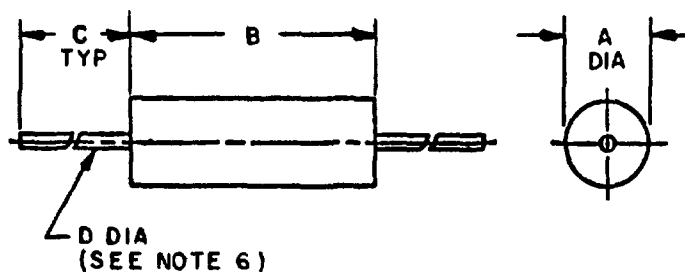


FED SUP CLASS  
5950User activities:  
Army - WC, ME, SL  
Navy - AS, MC, SH  
Air Force - 19Reviewer activities  
Army - MI, MU, SL  
Navy - OS  
Air Force - 11, 17, 80  
DSA - ES

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

## RATINGS

Style	LT10
Grade	1
Class	A
Temperature rise	15°C
Ambient temperature	90°C
Operating temperature	-55° to +105°C
Dielectric withstanding	1000 volts rms for minimum of 60 sec
Voltage (sea level)	200 volts rms for a minimum of 60 sec.
Dielectric withstanding	1000 volts rms for a minimum of 60 sec.
Voltage (reduced barometric pressure)	200 volts rms for a minimum of 60 sec.
Terminal pull	5 pounds
Altitude	70,000 feet
Weight	4.0 grams max.

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.365 (9.27)	.385 (9.78)
B	.615 (15.62)	.635 (16.13)
C	1.250 (31.75)	1.625 (41.28)
D	.026 (.66)	.030 (.76)

## ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. 1	Type designation 2/	Former type designation	Superseded MS part no.	Inductance $\pm 10\%$	Q min	Test freq.	Self-resonant frequency Min	DC resistance Max	Rated DC current
				uh		MHz	MHz	Ohms	Ma
-1	LT10K148	LT4K064	MS75054-1	470	80	.790	3.7	9.0	125
-2	LT10K149	LT4K065	-2	560	80	.790	3.5	10.0	118
-3	LT10K150	LT4K066	-3	680	75	.790	3.2	11.2	112
-4	LT10K151	LT4K067	-4	820	75	.790	3.0	13.0	105
-5	LT10K152	LT4K068	-5	1000	70	.790	2.7	14.5	95

- 1/ The dash number added to the MS military-standard number constitutes the MS part number; for example, MS 14049-1
- 2/ The decrease in maximum operating temperature from 125°C to 105°C does not downgrade these coils but assures satisfactory operation at 105°C for a minimum of 2000 hours of life rather than a shorter period of operation at 125°C.

P A NAVY-EC Other Cust AF-80 ARMY-EL	International interest	TITLE Coils, radio frequency, molded, fixed, subminiature (iron core) types LT10K148 to LT10K152 incl.	MILITARY STANDARD
Procurement Specification MIL-C-15305	SUPERSEDES:	MS75054	MS14049
			SHEET 1 OF 2

DD FORM 672  
10 APR 64

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5950-0397-3

APPROVED 15 February 1972 REVISED

FED SUP CLASS  
5950

## Electrical Characteristics (Final)

Inspection Group	Allowable variation from initial measurement		Allowable % from specified minimum value in Electrical Characteristics (initial) table	
	Inductance Percent	DC resistance	Self-resonant frequency	Q
Qualification Inspection				
Group II	± 2	--	--	- 10
Group III	± 5	-(3%+, 001ohm)	- 8	- 10
Group IV	± 5	+(2%+, 001ohm)	- 10	- 15
Quality Conformance Inspection				
Group C				
Subgroup I	± 2	--	--	- 10
Subgroup II	± 5	± (2%-, 001ohm)	- 10	- 15
Subgroup III	± 5	± (3%+, 001ohm)	- 8	- 10

## NOTES:

- 1 Dimensions are in inches.
- 2 Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm
- 3 These coils are intended to be mounted by the body
- 4 The polarizing voltage during the moisture-resistance tests is applied with the positive lead connected to the coil terminals tied together, and the negative lead connected to the metal strap.
- 5 Terminal strength (Pull) test, is not applicable in "Group B" inspection Table VI
- 6 Solderable/weldable lead wire, AWG #21.
- 7 Barometric pressure test (test condition C) is applicable
- 8 Shock, specified pulse, method 213, test condition I, is applicable
- 9 Referenced document shall be the issue in effect on date of invitation for bid
- 10 This standard takes precedence over the procurement specification referenced herein

P A NAVY EC	International interest	TITLE Coils, radio frequency, molded, fixed, subminiature (iron core) types LT10K148 to LT10K152 incl.	MILITARY STANDARD
Other Cust A1 -B0			MS14049
ARMY E1			
Procurement Specification MIL-C 15405		MS75051	SHEET 2

DD FORM 10 APR 64 672

User activities: Army  
Navy  
Air ForceReviewer activities: Army  
Navy  
Air Force

This is literary standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

REVISED

APPROVED

## SPECIFICATION ANALYSIS SHEET

Form Approved  
Budget Bureau No. 22-R255

**INSTRUCTIONS:** This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information from users of this specification which will insure that suitable products can be procured without undue delay and at the least cost. Completion and the return of this form will be appreciated. Hold on line 514 in the side's hole in corner and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document (DS) or to alter standard contractual requirements.

SPECIFICATION

ORGANIZATION

CITY AND STATE

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

DIRECT GOVERNMENT CONTRACT

SUBCONTRACT

1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A. GIVE PARAGRAPH NUMBER AND WORDING

B. RECOMMENDATION FOR CORRECTING THE DEFICIENCIES

2. COMMENTS ON SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3. IF THE SPECIFICATION IS TOO RIGID

4. SIGNATURE

DATE

DD FORM 1426

FOLD

---

DEPARTMENT OF THE NAVY  
NAVAL ELECTRONIC SYSTEMS COMMAND  
WASHINGTON, D. C. 20360

POSTAGE AND FEES PAID  
NAVY DEPARTMENT

---

OFFICIAL BUSINESS

COMMANDER  
NAVAL ELECTRONIC SYSTEMS COMMAND  
DEFENSE STANDARDIZATION PROGRAM BRANCH  
DEPARTMENT OF THE NAVY  
WASHINGTON, D. C. 20360

---

FOLD