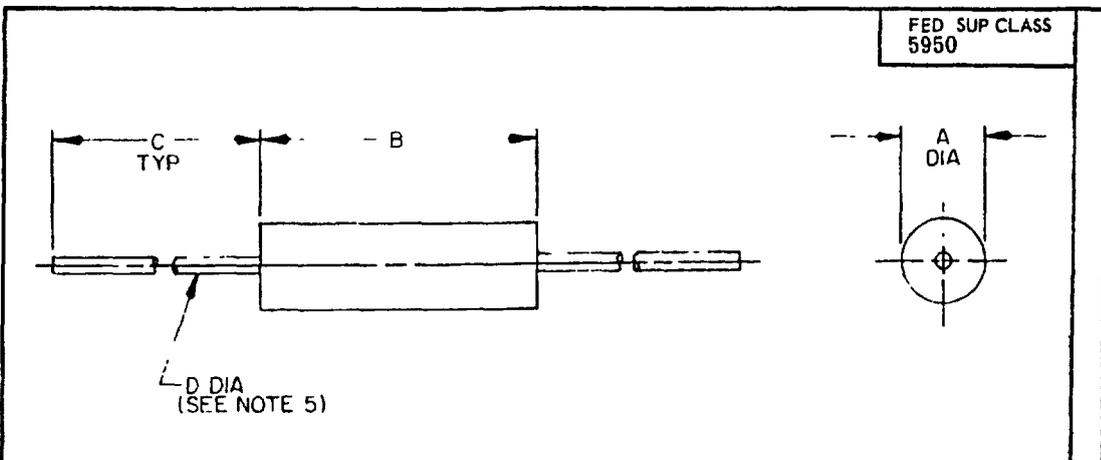


Army WC, SL, MU
Navy AS, MC, SH, OS
Air Force 19

Reviewer activities Army MI, SL
Navy
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.



FED SUP CLASS
5950

RATINGS	
Style	LT10
Grade	1
Class	A
Temperature rise	15° C
Ambient temperature	90° C
Operating temperature	-55° to +105° C
Dielectric withstanding Voltage (sea level)	700 volts rms for a minimum of 60 sec
Dielectric withstanding Voltage (reduced barometric pressure)	180 volts rms for a minimum of 60 sec
Terminal pull	5 pounds
Altitude	70,000 feet
Weight	1.5 grams max (A)

Lt	Dimensions in inches with metric equivalents (mm) in parentheses.	
	Minimum	Maximum
A	205 (5.21)	.225 (5.72)
B	550 (13.97)	.570 (14.48)
C	1.250 (31.75)	1.625 (41.28)
D	.026 (.66)	.030 (.76)

ELECTRICAL CHARACTERISTICS (INITIAL)							
Dash no 1/	Type designation	Inductance $\pm 5\%$	Q min	Test frequency	Self-resonant frequency, min	DC resistance maximum	Rated DC Current
		μH		MHz	MHz	ohms	mA
-01	LT10K037	1100	60	25	2.8	21.0	78
-02	LT10K038	1200	60	25	2.7	22.0	76
03	LT10K039	1300	60	25	2.6	23.0	75
-04	LT10K040	1500	65	25	2.4	25.0	72
-05	LT10K041	1600	65	25	2.3	26.0	70
-06	LT10K042	1800	65	25	2.2	28.0	68
-07	LT10K043	2000	65	25	2.1	29.0	67
-08	LT10K044	2200	70	25	2.0	30.0	66
-09	LT10K045	2400	70	25	1.9	31.0	64
-10	LT10K046	2700	70	25	1.8	33.0	62
-11	LT10K047	3000	78	25	1.7	35.0	61
-12	LT10K048	3300	70	25	1.6	38.0	58
-13	LT10K049	3600	70	25	1.5	40.0	57

1/ The dash number added to the MS military standard number constitutes the MS part number, example, MS90540-01. (A) denotes changes

PA ARMY-EL Other Cust AF-80 NAVY-EC Procurement Specification MIL-C-15305	International interest	TITLE (A) COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE (IRON CORE) TYPES LT10K037 TO LT10K049 INCL SUPERSEDES	MILITARY STANDARD
			MS90540
			PAGE 1 OF 2

APPROVED 15 Jun 65 REVISED (A) 1 Jun 73

FED SUP CLASS
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Army WC, SL, MU
Navy AS, MC, SH, OS
Air Force 19

User activities

Army ML, SL
Navy
Air Force 11, 17, 80

Reviewer activities

Army ML, SL
Navy
Air Force 11, 17, 80

DSA-ES

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% + 001 ohm)	- 8	-10
Group IV	± 5	±(2% + .001 ohm)	-10	-15
Quality Conformance Inspection				
Group C Subgroup I	± 2	--	--	-10
Subgroup II	± 5	±(2% + 001 ohm)	-10	-15
Subgroup III	± 5	±(3% + 001 ohm)	- 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 their leads.
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. Tinned, solid copper wire, AWG #21.
6. Barometric pressure test (test condition C) is applicable.
7. Shock, specified pulse, method 213, test condition I, is applicable.
8. Referenced document shall be the issue in effect on date of invitation for bid.
9. This standard takes precedence over the procurement specification referenced herein.

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APPROVED 15 Jun 65 REVISED [Ⓐ] For changes see pages 1 and 2.

P A Army-EL Other Cust AF-80 NAVY-EC	International Interest	TITLE [Ⓐ] COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE (IRON CORE) TYPES LT10K037 TO LT10K049 INCL	MILITARY STANDARD
			MS90540
Procurement Specification MIL-C-15305		SUPERSEDES	PAGE 2 OF 2

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No 22-R255
<p>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 on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple 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(s) or serve to amend contractual requirements.</p>		
<p>SPECIFICATION M390540 COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE (IRON CORE) TYPES LT10K07 TO I T10F04 INCL</p>		
ORGANIZATION		
CITY AND STATE		CONTRACT NUMBER
<p>MATERIAL PROCURED UNDER A</p> <p><input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT</p>		
<p>1 HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</p> <p>A GIVE PARAGRAPH NUMBER AND WORDING</p>		
<p>B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
<p>2 COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p>		
<p>3 IS THE SPECIFICATION RESTRICTIVE?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)</p>		
<p>4 REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)</p>		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

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DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

ESC-FM 1068-68

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Headquarters
U.S. Army Electronics Command
Fort Monmouth, New Jersey 07703

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