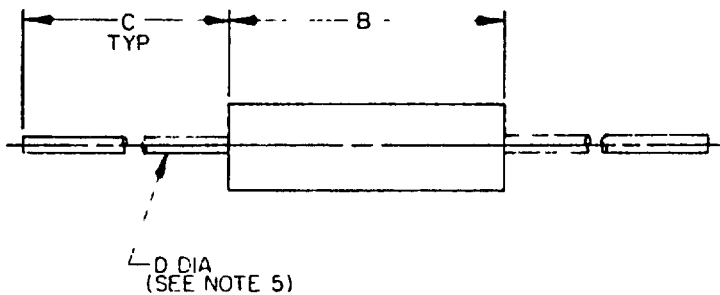


FED SUP CLASS
5950

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	2.5 grams max (A)

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses.	
	MIN	MAX
A	230 (5.84)	250 (6.35)
B	730 (18.54)	750 (19.05)
C	1.250 (31.75)	1.625 (41.28)
D	.030 (.76)	.034 (.86)

ELECTRICAL CHARACTERISTICS (INITIAL)

Dash no	Type designation	Inductance = 5%	Q min	Test frequency	Self-resonant frequency, min	DC resistance maximum	Rated DC current
1		μ H		MHz	MHz	ohms	mA
-01	LT10K050	3,900	80	25	1.45	44.0	61
-02	LT10K051	4,300	80	25	1.40	46.0	59
-03	LT10K052	4,700	80	25	1.35	48.0	58
-04	LT10K053	5,000	80	25	1.30	50.0	57
-05	LT10K054	5,600	80	25	1.25	53.0	56
-06	LT10K055	6,200	80	25	1.20	56.0	54
-07	LT10K056	6,800	80	25	1.15	59.0	52
-08	LT10K057	7,500	80	25	1.10	62.0	51
-09	LT10K058	8,200	80	25	1.05	65.0	50
-10	LT10K059	9,100	80	25	1.00	68.0	49
-11	LT10K060	10,000	80	25	.95	72.0	47

1/ The dash number added to the MS military standard number constitutes the MS part number, for example, MS90541-01

(A) denotes change

PA
Army-EL
Other Cust
AF-80
NAVY-EC

International
interest

TITLE (A)
COILS, RADIO FREQUENCY, MOLDED,
FIXED, SUBMINIATURE (IRON CORE)
TYPES LT10K050 TO LT10K060 INCL

MILITARY STANDARD

MS90541

Procurement Specification
MIL-C-15305

SUPERSEDES

PAGE 1 OF 2

DD FORM 672
1 SEP 63

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5950-0454-4

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.

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

User activities
Army MI, SL
Navy
Air Force 11, 17, 80
DSA-ES

Reviewer activities

APPROVED 15 Jun 65 REVISED (A) 1 Jun 73

FED SUP CLASS
5950

Reviewer activities: Army MI, SL
Navy Air Force 11, 17, 80
DSA-ES

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

Electrical Characteristics (Final) ^(A)				
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

^(A)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. Tinned, solid copper wire, AWG #20.
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.

P A Army-EL Other Cust AF-80 NAVY-EC	International interest	TITLE ^(A) COILS, RADIO FREQUENCY, MOLDED, FIXED SUBMINIATURE (IRON CORE) TYPES LT10K050 TO LT10K060 INCL.	MILITARY STANDARD
			MS9054I
Procurement Specification MIL-C-15305	SUPERSEDES:		PAGE 2 OF 2

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5950-0454-4

APPROVED 15 Jun 65 REVISED ^(A) For changes see pages 1 and 2.

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.

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 <u>MODEL COILS, RADIO FREQUENCY, MOVED, FIXED, SUBMINIATURE (IRON CORE) TYPE; LITONKO TO LITONKO IOL</u></p>		
<p>ORGANIZATION _____</p>		
<p>CITY AND STATE _____</p>		<p>CONTRACT NUMBER _____</p>
<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>_____</p>		
<p>B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p> <p>_____</p>		
<p>2 COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p> <p>_____</p>		
<p>3 IS THE SPECIFICATION RESTRICTIVE?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)</p> <p>_____</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> <p>_____</p>		
<p>SUBMITTED BY (Printed or typed name and activity - Optional)</p> <p>_____</p>		<p>DATE</p> <p>_____</p>

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

ESC-FM 1068-68

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