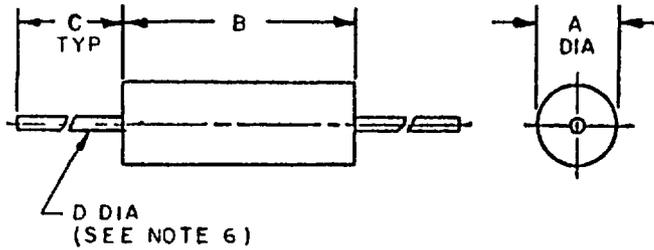


FED SUP CLASS
5950



RATINGS	
Style	LT4
Grade	1
Class	B
Temperature rise	35°C
Ambient temperature	90°C
Operating temperature	-55° to 125°C
Dielectric withstanding Voltage (sea level)	1000 volts rms for a minimum of 60 sec
Dielectric withstanding Voltage (reduced barometric pressure)	200 volts rms for a minimum of 60 sec
Terminal pull	5 pounds
Altitude	70,000 feet
Weight	3.0 grams max

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.250 (6.35)	.313 (7.95)
B	.875 (22.23)	1.000 (25.40)
C	1.250 (31.75)	1.625 (41.28)
D	.026 (.66)	.030 (.76)

ELECTRICAL CHARACTERISTICS (INITIAL)									
Dash No	Type designation	Former type designation	Former MS part No	$\pm 10^{-2}$ Inductance	Q, min	Test frequency	Self-resonant frequency, Min	DC resistance Max	Rated DC current
2/	-14	LT4K002	LT8K001	MS91189-1	1.2	60	7.9	170	2,400
	-15	LT4K003	---	---	1.5	60	7.9	160	2,150
	-16	LT4K004	---	---	1.8	60	7.9	140	1,750
	-17	LT4K005	LT8K002	MS91189-2	2.2	60	7.9	125	1,600
	-18	LT4K006	---	---	2.7	60	7.9	115	1,350
	-19	LT4K007	LT8K003	MS91189-3	3.3	60	7.9	100	1,150
	-20	LT4K008	---	---	3.9	60	7.9	95	955
	-21	LT4K009	LT8K004	MS91189-4	4.7	60	7.9	90	860
	-22	LT4K010	---	---	5.6	60	7.9	80	745
	-23	LT4K011	LT8K005	MS91189-5	6.8	60	7.9	75	635
	-24	LT4K012	---	---	8.2	60	7.9	68	550
	-25	LT4K013	LT8K006	MS91189-6	10.0	60	7.9	60	460
	-26	LT4K014	---	---	12.0	40	2.5	53	395
	-27	LT4K015	LT8K007	MS91189-7	15.0	40	2.5	50	355
	-28	LT4K016	---	---	18.0	40	2.5	45	315

1/ The dash number added to the MS military-standard number constitutes the MS part number, for example, MS91189-14

2/ See note 11.

(D) denotes changes

PA ARMY-EL Other Cust AF-80 NAVY-EC	International Interest	TITLE Coils, Radiofrequency, Molded, Fixed, Subminiature (Phenolic core) Types LT4K002 to LT4K016 incl.	MILITARY STANDARD
			MS 91189
Procurement Specification MIL-C-15305		SUPERSEDES:	SHEET 1 OF 2

DD FORM 672 (Coordinated) 1 SEP 63 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5950-0446

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

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

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.

APPROVED 15 DEC 53 REVISED (A) 18 OCT 62 (B) 25 MAR 63 (C) 14 MAR 72 (D) 31 OCT 72

FED SUP CLASS
5950

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

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

Electrical Characteristics (Final)				
Inspection Group	Allowable variation from initial measurement		Allowable % from specified minimum value in Electrical Characteristics (initial) table	
	Inductance	DC resistance	Self-resonant frequency	Q
Qualification Inspection	Percent			
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:

- Dimensions are in inches.
- Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
- These coils are intended to be mounted by the body.
- 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.
- Terminal strength (Pull) test, is not applicable in "Group B" inspection Table VI.
- Solderable/weldable lead wire, #21 AWG
- Barometric pressure test (test condition C) is applicable.
- Shock, specified pulse, method 213, test condition I, is applicable.
- Referenced document shall be the issue in effect on date of invitation for bid.
- This standard takes precedence over the procurement specification referenced herein.

- ① 11. Former MS part numbers MS91189-29 thru MS91189-38 have been superseded by MS75103-1 thru MS75103-10, respectively.

P A ARMY-EL Other Cust AF-80 NAVY-EC	International Interest	TITLE Coils, Radiofrequency, Molded, Fixed, Subminiature (Phenolic core) Types LT4K002 to LT4K016 incl.	MILITARY STANDARD
Procurement Specification ML-C-15305	SUPERSEDES:		MS 91189
			SHEET 2 OF 2

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5950-0446

APPROVED 15 DEC 53 REVISED ① 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 MS 91189 COILS, RADIOFREQUENCY, MOLDED, FIZED, SUBMINIATURE (PHENOLIC CORE) TYPES LTLK002 to LTLK016 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

To detach this form, cut along this line

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

ESC-FM 1068-68

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Fort Monmouth, New Jersey 07703

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