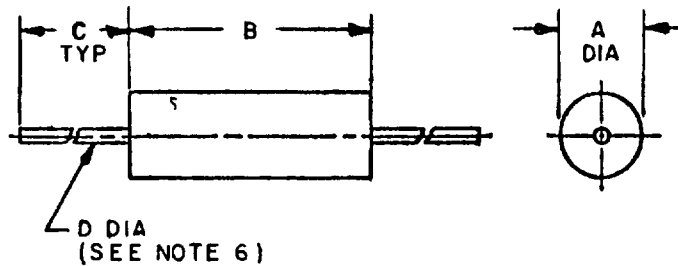


FED SUP CLASS  
5950User activities: Army - WC, ME, SL  
Navy - AS, MC, SH  
Air Force - 19Reviewer activities: Army - MI, MU, SL  
Navy - OS  
Air Force - 11, 17, 80  
DSA-ES

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	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	2.0 grams max.

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.240 (6.10)	.260 (6.60)
B	.550 (13.97)	.570 (14.48)
C	1.250 (31.75)	1.625 (41.28)
D	.023 (.58)	.027 (.69)

## ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. 1/ 2/	Type designation	Former type designation	Superseded MS part no.	Inductance ±10%	Q min	Test freq.	Self-resonant frequency Min	DC resistance Max	Rated DC current
				uh		MHz	MHz	Ohms	Ma
-1	LT4K052	LT7K211	MS16223-1	47	18	2.5	13.5	5.9	195
-2	LT4K053	LT7K212	MS16223-2	56	18	2.5	13.0	6.4	185

1/ The dash number added to the MS military-standard number constitutes the MS part number; for example, MS75052 -1.

© 2/ See note 11.

© DENOTES CHANGE

PA NAVY-EC Other Cust AF-80 ARMY-EL	International Interest	TITLE Coils, radio frequency, molded, fixed, subminiature (phenolic core) types LT4K052 and LT4K053	MILITARY STANDARD MS 75052
Procurement Specification MIL-C-15305	SUPERSEDES: MS16223 in part 2/ Part Nos. MS16223-1 and MS16223-2	SHEET 1 OF 2	

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5950-0443

REVISED 23 APRIL 1964 (B) 15 February 1972 (C) 22 August 1972  
APPROVED 9 MAY 1963

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## 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 #22.
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.

- ⑪. Former MS part numbers MS75052-3 thru MS75052-7 have been superseded by MS14047-1 thru MS14047-5, respectively.

PA NAVY-EC	International Interest	TITLE	MILITARY STANDARD
Other Cust AF-80		Coils, radio frequency, molded, fixed, subminiature (phenolic core) types	MS 75052
ARMY-EL		LT4K052 and LT4K053	
Procurement Specification MIL-C-15305		SUPERSEDES: MS16223 in part Part Nos. MS16223-1 and MS16223-2	SHEET 2 of 2

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5950-0443

User activities: Army  
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Air ForceReviewer activities: Army  
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Air Force

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<b>SPECIFICATION ANALYSIS SHEET</b>		Form Approved Budget Bureau No. 22-R255
<b>INSTRUCTIONS:</b> 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.		
SPECIFICATION		
ORGANIZATION		
CITY AND STATE	CONTRACT NUMBER	
MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING.		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)		
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.)		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

DD FORM 1426  
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

S/N-0102-014-1801 C-25254

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NAVAL ELECTRONIC SYSTEMS COMMAND  
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