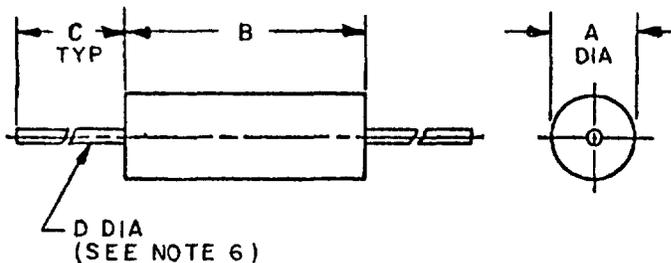


FED SUP CLASS  
5950



Army - WC, ME, SL  
Navy - AS, MC, SH  
Air Force - 19

User activities

Army - M1, MU, SL  
Navy - OS  
Air Force - 11, 17, 80

D S A - E S

Reviewer activities

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	1.5 grams max

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.210 (5.33)	.230 (5.84)
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Dash No. 1/ 2/	Type designation	Former type designation	Superseded MS part no.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	LT4K315	LT7K233	MS16222-1	.47	65	25	300	.06	1970
-2	LT4K316	---	---	.56	65	25	270	.07	1850
-3	LT4K317	LT7K234	MS16222-2	.68	65	25	240	.08	1700
-4	LT4K318	---	---	.82	65	25	220	.11	1450
-5	LT4K319	LT7K235	MS16222-3	1.00	65	25	200	.14	1290
-6	LT4K320	---	---	1.20	40	7.9	180	.19	1120
-7	LT4K321	LT7K236	MS16222-4	1.50	40	7.9	160	.28	925
-8	LT4K322	---	---	1.80	40	7.9	150	.37	790
-9	LT4K323	LT7K237	MS16222-5	2.20	40	7.9	135	.50	680
-10	LT4K324	LT7K238	MS16222-6	2.70	40	7.9	120	.65	600
-11	LT4K325	LT7K239	MS16222-7	3.30	40	7.9	105	1.00	480
-12	LT4K326	LT7K240	MS16222-8	3.90	40	7.9	100	1.20	440
-13	LT4K327	LT7K241	MS16222-9	4.70	40	7.9	90	1.80	360

1/ The dash number added to the MS military-standard number constitutes the MS part number; for example, MS90542-1.

2/ See note 11.

ⓑ DENOTES CHANGE

PA NAVY-EC Other Cust AF-BC ARMY-EL	International Interest	TITLE Coils, radio frequency, molded, fixed, subminiature (phenolic core) types LT4K315 to LT4K327 incl.	MILITARY STANDARD <b>MS 90542</b>
Procurement Specification MIL-C-15305	SUPERSEDES: 2/ MS16222(SHIPS) in part	SHEET 1 OF 2	

DD FORM 10 APR 64 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5950-0444

APPROVED 30 DEC 1965 REVISED ⓐ 15 February 1972 ⓑ 22 August 1972

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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
<b>Qualification Inspection</b>				
Group II	± 2	--	--	- 10
Group III	± 5	± (3%+ .001ohm)	- 8	- 10
Group IV	± 5	± (2%+ .001ohm)	- 10	- 15
<b>Quality Conformance Inspection</b>				
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, AWG #22.
- 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.
- Former MS part numbers MS90542-14 thru MS90542-24 have been superseded by MS14052-1 thru MS14052-11, respectively.

REVISED (B) FOR CHANGES SEE PAGES 1 AND 2  
APPROVED

P A NAVY-EC	International Interest	TITLE	MILITARY STANDARD
Other Cust AF-80		Coils, radio frequency, molded, fixed, subminiature (phenolic core) types LT4K315 to LT4K327 incl.	MS 90542
ARMY-E L		SUPERSEDES	SHEET 2 of 2
Procurement Specification MIL-C-15305		MS16222(SHIPs) in part	

User activities: Army Navy Air Force

Reviewer activities: Army Navy Air Force

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><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.</p>		
SPECIFICATION		
ORGANIZATION		
CITY AND STATE		CONTRACT NUMBER
MATERIAL PROCURED UNDER A		
<input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
<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

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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