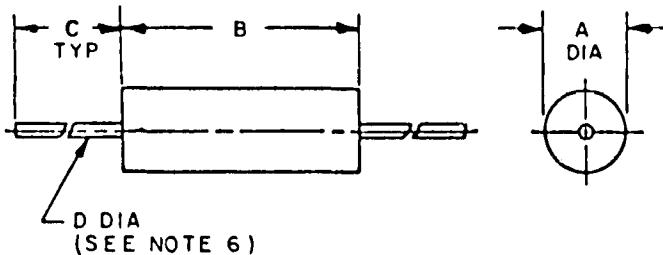


B-37-13

FED. SUP CLASS  
5950

User activities: Army - WC, ME, SL  
Navy - OS  
Air Force - 11, 17, 80  
D S A - E S

Reviewer activities: Army - MI, MU, SL  
Navy - OS  
Air Force - 11, 17, 80  
D S A - E S

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Dash No. 1/ 2/	Type designation	Former type designation	Superseded MS part no.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
-1	LT4K315	LT7K233	MS16222-1	.47	65	25	300	.06	1970
-2	LT4K318	---	---	.56	65	25	270	.07	1850
-3	LT4K317	LT7K234	MS16222-2	.68	65	25	240	.08	1700
+	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 2/ See note 11.

(B) DENOTES CHANGE

P.A. NAVY-EC	International interest	TITLE	MILITARY STANDARD
Other Cust AF-BC		Coils, radio frequency, molded, fixed, subminiature (phenolic core) types LT4K315 to LT4K327 incl.	MS 90542
ARMY-EL			

Procurement Specification  
MIL-C-15305

SUPERSEDES  
2/ MS16222(SHIPS) in part

SHEET 1 OF 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.

User activities: Army  
Navy  
Air Force

Reviewer activities: Army  
Navy  
Air Force

5950

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:

- 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.

(B) FOR CHANGES SEE PAGES 1 AND 2

REVISED

APPROVED

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