

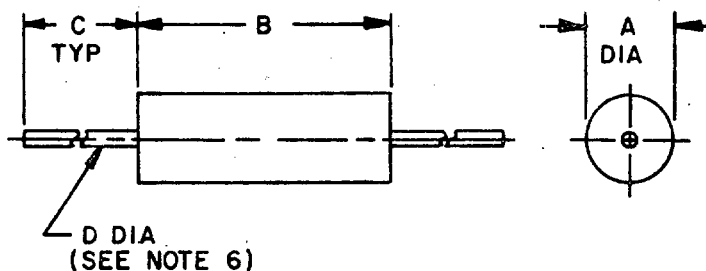
User activities: Army - ME, AR  
Navy - AS, MC, SH  
Air Force - 19

Review activities: Army - MI, ME  
Navy - OS  
Air Force - 11, 17  
DLA - ES

This military standard is approved 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 when applicable.

(A) INACTIVE FOR NEW DESIGN AFTER  
16 SEP 85 USE MIL-C-39010/7

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)	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	.90 gram max.

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.146 (3.71)	.166 (4.22)
B	.365 (9.27)	.385 (9.78)
C	1.250 (31.75)	1.625 (41.28)
D	.023 (.58)	.027 (.69)

#### ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. 1/	Type designation 2/	Former type designation	Superseded MS part no.	Inductance $\pm 10\%$	Q min	Test freq.	Self-resonant frequency Min	DC resistance Max	Rated DC current
-1	LT10K128	LT4K090	MS18130-17	uh	45	7.9	60	.32	495
-2	LT10K129	LT4K091	-18	6.80	50	7.9	55	.50	395
-3	LT10K130	LT4K092	-19	8.20	50	7.9	50	.60	360
-4	LT10K131	LT4K093	-20	10.00	55	7.9	45	.90	290
-5	LT10K132	LT4K094	-21	12.00	65	2.5	42	1.10	265
-6	LT10K133	LT4K095	-22	15.00	65	2.5	40	1.40	240
-7	LT10K134	LT4K096	-23	18.00	25	2.5	34	2.25	185
-8	LT10K135	LT4K097	-24	22.00	75	2.5	30	2.50	175
-9	LT10K136	LT4K098	-25	27.00	60	2.5	25	2.60	170
-10	LT10K137	LT4K099	-26	33.00	65	2.5	19	3.00	165

- 1/ The dash number added to the MS military-standard number constitutes the MS part number; for example MS 14046-1
- 2/ The decrease in maximum operating temperature from 125°C to 105°C does not downgrade these coils but assures satisfactory operation at 105°C for a minimum of 2000 hours of life rather than a shorter period of operation at 125°C.

(A) ENTIRE STANDARD REVISED

P.A NAVY-EC	International Interest	TITLE COILS, RADIO FREQUENCY, MOLDED, FIXED, MICROMINIATURE (IRON CORE) TYPES LT10K128 TO LT10K137 INCL	MILITARY STANDARD
Other Cust AF-85 ARMY-ER			MS14046
Procurement Specification MIL-C-15305		SUPERSEDES: MS18130 IN PART NO's MS18130-17 THRU MS18130-26	PAGE 1 OF 2

DD FORM 1 MAY 73 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5950-0649-02

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

16 SEP 85

REVISED (A)

APPROVED 15 FEB 1972

UNCLASSIFIED  
 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:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. These coils are intended to be mounted by their leads.
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 number 22.
7. Barometric pressure test (test condition C) is applicable.
8. Shock, specified pulse, method 213, test condition I, is applicable.
9. Metric equivalents are in parentheses.
10. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.
11. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this standard to the extent specified herein.

P.A NAVY-EC	International interest	TITLE COILS, RADIO FREQUENCY, MOLDED, FIXED, MICROMINIATURE (IRON CORE) TYPES LTIOK128 TO LTIOK137 INCL	MILITARY STANDARD
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DD FORM 672  
1 MAY 73

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APPROVED 15 FEB 1972 REVISED (A) FOR CHANGES SEE PAGES 1 AND 2

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