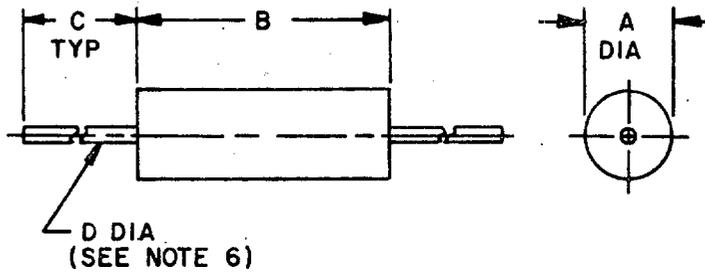


FED. SUP CLASS  
5950

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



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

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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Dash No. 1/	Type designation 2/	Former type designation	Superseded MS part no.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 ±10%	Q min	Test freq.	Self-resonant frequency Min	DC resistance Max	Rated DC current
-1	LT10K128	LT4K090	MS18130-17	uh	45	7.9	MHz	Ohms	Ma
-2	LT10K129	LT4K091	-18	5.60	50	7.9	60	.32	495
-3	LT10K130	LT4K092	-19	6.80	50	7.9	55	.50	395
-4	LT10K131	LT4K093	-20	8.20	55	7.9	50	.60	360
-5	LT10K132	LT4K094	-21	10.00	65	2.5	42	1.10	265
-6	LT10K133	LT4K095	-22	12.00	65	2.5	40	1.40	240
-7	LT10K134	LT4K096	-23	15.00	75	2.5	34	2.25	185
-8	LT10K135	LT4K097	-24	18.00	75	2.5	30	2.50	175
-9	LT10K136	LT4K098	-25	22.00	60	2.5	25	2.60	170
-10	LT10K137	LT4K099	-26	27.00	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 LTI0K128 TO LTI0K137 INCL	MILITARY STANDARD
Other Cust AF-85			MS14046
ARMY-ER			
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

REF ID: A66500  
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 are given for general information only.
- These coils are intended to be mounted by their leads.
- 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 number 22.
- Barometric pressure test (test condition C) is applicable.
- Shock, specified pulse, method 213, test condition I, is applicable.
- Metric equivalents are in parentheses.
- 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.
- 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 LTI0K128 TO LTI0K137 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 2 OF 2

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.  
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DA-ES

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