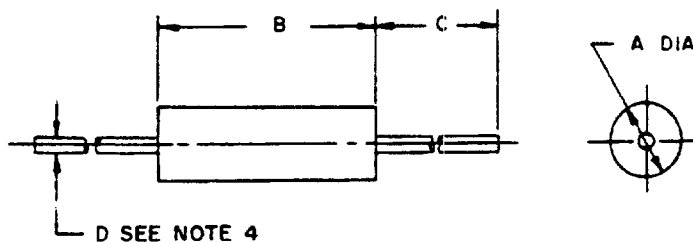


User activities: Army -
Navy -
Air Force - 19

Review activities: Army - MI, AR
Navy -
Air Force - 11, 17, 99
DLA-ES

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FED. SUP CLASS
5950



STYLE	RATINGS	LT10
GRADE		1
CLASS		A
TEMPERATURE RISE		15°C
AMBIENT TEMPERATURE		90°C
OPERATING TEMPERATURE		-55° to +105°C
DIELECTRIC WITHSTANDING VOLTAGE (sea level)		700 volts rms for a minimum of 60 sec.
DIELECTRIC WITHSTANDING VOLTAGE (reduced barometric pressure)		100 volts rms for a minimum of 60 sec.
TERMINAL PULL		5 pounds
ALTITUDE		70,000 feet
PERCENT COUPLING		3 percent max.
WEIGHT		.50 grams max.

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Dimensions	Tolerance
A	.136 (3.45)	Max
B	.335 (8.51)	±.010 (.25)
C	1.430 (36.63)	±.008 (4.78)
D	.020 (.51)	±.002 (.05)

Electrical characteristics (initial)							
Dash no. 1/	Type designation	Inductance ±10%	Q min	Test frequency	Self-resonant frequency min	DC resistance at 25°C, max	Max rated DC current
		<u>uh</u>		<u>MHz</u>	<u>MHz</u>	<u>ohms</u>	<u>ma</u>
- 1	LT10K469	1.0	38	25	135	.170	678
- 2	LT10K470	1.2	38	7.9	124	.177	664
- 3	LT10K471	1.5	38	7.9	114	.212	607
- 4	LT10K472	1.8	38	7.9	105	.242	568
- 5	LT10K473	2.2	38	7.9	95	.263	545
- 6	LT10K474	2.7	38	7.9	85	.300	510
- 7	LT10K475	3.3	38	7.9	78	.345	476
- 8	LT10K476	3.9	42	7.9	74	.411	436
- 9	LT10K477	4.7	42	7.9	68	.562	373
-10	LT10K478	5.6	42	7.9	62	.742	324
-11	LT10K479	6.8	45	7.9	55	1.00	280
-12	LT10K480	8.2	47	7.9	51	1.20	255
-13	LT10K481	10	51	7.9	45	1.84	206
-14	LT10K482	12	51	2.5	41	2.60	173

1/ The dash number added to the MS military standard number constitutes the MS part number. for example, MS21400-1.

Ⓐ ENTIRE STANDARD REVISED

P.A.	85	International interest	TITLE: COILS, RADIO, FREQUENCY, MOLDED, FIXED, MICRO-MINIATURE, MAGNETICALLY SHIELDED (IRON CORE- IRON SLEEVE) TYPES, LT10K 469 TO LT10K 482 INCL.	MILITARY STANDARD
Other Cust	EC ER			MS 21400
Procurement Specification MIL-C-15305			SUPERSEDES: MS21400(USAF)	PAGE 1 OF 2

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1 SEP 53

5950-0518-3

APPROVED 24 SEP 1973 REVISED Ⓐ 3 AUG 79

User activities: Army -
Navy -
Air Force - 19

Review activities: Army - MI, AR
Navy -
Air Force - 11, 17, 99
DLA - ES

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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	DC resistance	Self-resonant frequency	Q
	Percent			
Qualification inspection				
Group II	±5	---	---	-10
Group III	±5	±(3%+.001 ohm)	-8	-10
Group IV	±5	±(2%+.001 ohm)	-5	-10
Quality conformance inspection				
Group C				
Subgroup I	±5	---	---	-10
Subgroup II	±5	±(2%+.001 ohm)	-5	-10
Subgroup III	±5	±(3%+.001 ohm)	-8	-10

NOTES:

1. Barometric pressure test (test condition C) is applicable.
2. Shock, specified pulse, method 213, test condition I, is applicable.
3. These coils are intended to be supported by their leads.
4. After the overload test is performed, a period of 24 hours shall elapse prior to taking electrical characteristics (final) measurements.
5. DC resistance shall be the last measurement taken in the electrical characteristics test sequence.
6. Tinned copper wire lead terminal, AWG #24.
7. Dimensions are in inches.
8. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
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.

APPROVED 24 SEP 1973 REVISED (A) ENTIRE STANDARD REVISED

P.A. 85	International interest	TITLE: COILS, RADIO, FREQUENCY, MOLDED, FIXED, MICRO-MINIATURE, MAGNETICALLY SHIELDED (IRON CORE-IRON SLEEVE) TYPES, LT10K 469 TO LT10K 482 INCL.	MILITARY STANDARD
Other Cust EC ER			MS 21400
Procurement Specification MIL-C-15305	SUPERSEDES:	MS21400(USAF)	PAGE 2 OF 2

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