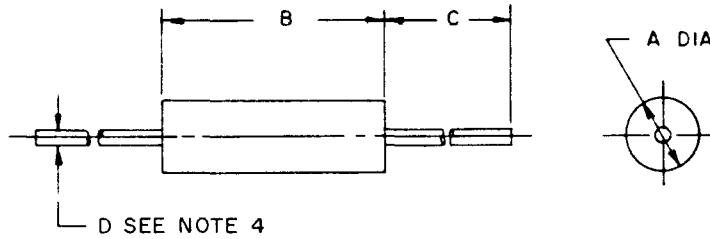


User activities: Army - MI, AR
Navy -
Air Force - 19

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

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RATINGS		LT10
STYLE	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	1.438 (36.53)	±.088 (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 resis- tance at 25°C, max	Max rated DC current
- 1	LT10K469	uh 1.0	38	MHz 25	MHz 135	ohms .170	ma 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.

(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							
Procurement Specification MIL-C-15305		SUPERSEDES: MS21400(USAF)			PAGE 1 OF 2			

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User activities: Army - Navy - Air Force - 19
Review activities: Army - M1, AR Navy - Air Force - II, I7, 99 DLA - ES

FED. SUP CLASS
5950

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
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.

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

APPROVED 24 SEP 1973 REVISED (A) ENTIRE STANDARD REVISED