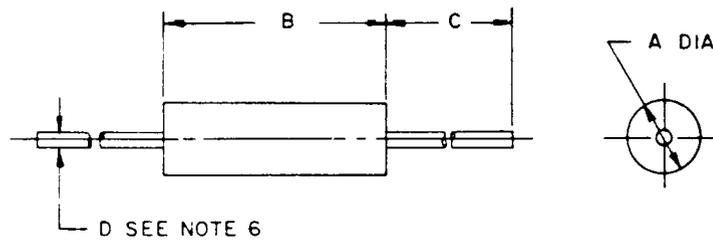


Review activities: Army - MI, AR
Navy -
Air Force - 11,17,99
DLA-ES

User activities: Army -
Navy -
Air Force - 19



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	1.438 (36.53)	± .188 (4.78)
D	.020 (.51)	± .002 (.05)

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.

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	LT10K457	0.10	42	25	480	.087	1038
- 2	LT10K458	0.12	42	25	460	.090	1021
- 3	LT10K459	0.15	42	25	400	.098	978
- 4	LT10K460	0.18	42	25	360	.117	895
- 5	LT10K461	0.22	42	25	340	.141	815
- 6	LT10K462	0.27	42	25	320	.157	773
- 7	LT10K463	0.33	42	25	295	.178	726
- 8	LT10K464	0.39	42	25	275	.208	671
- 9	LT10K465	0.47	41	25	250	.257	604
-10	LT10K466	0.56	39	25	238	.283	576
-11	LT10K467	0.68	36	25	224	.337	527
-12	LT10K468	0.82	35	25	205	.470	447

1/ The dash number added to the MS military standard number constitutes the MS part number, for example, MS21399-1.

ENTIRE STANDARD REVISED

P.A. Other Cust	85 EC ER	International interest	TITLE: COILS, RADIO, FREQUENCY, MOLDED, FIXED, MICRO-MINIATURE, MAGNETICALLY SHIELDED (PHENOLIC CORE-IRON SLEEVE) TYPES, LT10K 457 TO LT10K 468 INCL.	MILITARY STANDARD
Procurement Specification MIL-C-15305			SUPERSEDES: MS21399(USAF)	MS 21399
				PAGE 1 OF 2

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 (PHENOLIC CORE-IRON SLEEVE) TYPES, LTI0K 457 TO LTI0K 468 INCL.	MILITARY STANDARD
Other Cust EFC EIR			MS 21399
Procurement Specification MIL-C-15305	SUPERSEDES:	MS 21399(USAF)	PAGE 2 OF 2