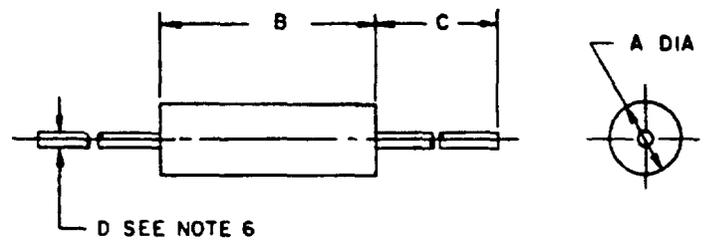


FED SUP CLASS
5950

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



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)	± .008 (4.76)
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	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	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
Other Cust				MS 21399
Procurement Specification MIL-C-15305	SUPERSEDES:		MS21399(USAF)	PAGE 1 OF 2

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.

APPROVED 24 SEP 1973 REVISED 3 AUG 79

FED SUP CLASS
5950User activities
Army -
Navy -
Air Force - 19Review activities
Army - MI, AR
Navy -
Air Force - 11, 17, 00
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 Percent	DC resistance	Self-resonant frequency	0
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, LT10K 457 TO LT10K 468 INCL	MILITARY STANDARD
Other Cust	EC ER			MS 21399
Procurement Specification	MIL-C-15305	SUPERSEDES:	MS 21399(USAF)	PAGE 2 OF 2

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