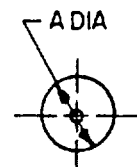
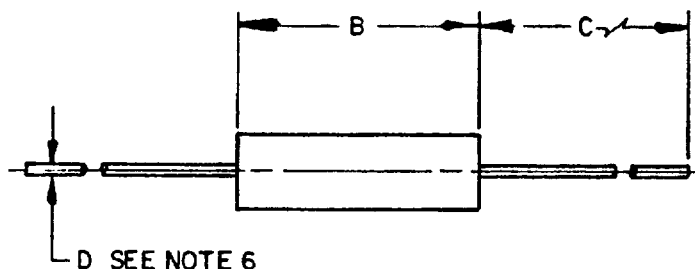


Reviewer activities: 11, 17, 80 User activities: 19

FED SUP CLASS
5950(A) INACTIVE FOR NEW DESIGN AFTER
USE MIL-C-39010/3

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.152 (3.86)	.172 (4.37)
B	.390 (9.91)	.430 (10.92)
C	1.250 (31.75)	1.626 (41.30)
D	.023 (.58)	.027 (.69)

Ratings

Style	LT10
Grade	1
Class	A
Temperature rise	15°C
Ambient temperature	90°C
Operating temperature	-55°C 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
Percent coupling	3 percent max.
Weight	1.0 grams max.

(A) DENOTES CHANGE

P A Air Force-85 Other Cust	International interest	TITLE COILS, RADIO FREQUENCY, MOLDED FIXED, MICRO-MINIATURE, MAGNETICALLY SHIELDED, (FERRITE CORE-FERRIT SLEEVE) TYPES LT10K307 TO LT10K353 INCL.	MILITARY STANDARD
			MS 21363(USAF)
Procurement Specification MIL-C-15305		SUPERSEDES:	PAGE 1 OF 3

DD FORM 672 (LIMITED COORDINATION)
1 SEP 63

5950-F-207

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DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

APPROVED 24 JUL 1972 REVISED (A) 2 JULY 85

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ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. 1/	Type designation	Inductance $\pm 5\%$	Q min	Test frequency	Self-resonant frequency min	DC resistance at 25°C max	Rated DC current	Incremental current
		μh		MHz	MHz	ohms	ma	ma
-1	LT10K307	15.0	45	2.5	49	.80	315	250
-2	LT10K308	18.0	45	2.5	45	.89	300	235
-3	LT10K309	22.0	45	2.5	41	.96	290	220
-4	LT10K310	27.0	45	2.5	38	1.19	260	200
-5	LT10K311	33.0	45	2.5	34	1.37	240	190
-6	LT10K312	39.0	50	2.5	29	1.93	205	180
-7	LT10K313	47.0	50	2.5	27	2.11	195	175
-8	LT10K314	56.0	50	2.5	25	2.23	190	160
-9	LT10K315	68.0	50	2.5	21	2.70	170	150
-10	LT10K316	82.0	50	2.5	10.5	2.44	180	140
-11	LT10K317	100.0	50	2.5	10.0	3.12	160	120
-12	LT10K318	120.0	55	.79	9.7	3.60	150	95
-13	LT10K319	150.0	55	.79	8.5	4.10	140	90
-14	LT10K320	180.0	55	.79	8.0	4.40	135	85
-15	LT10K321	220.0	55	.79	7.5	5.00	125	80
-16	LT10K322	270.0	55	.79	7.0	5.80	115	70
-17	LT10K323	330.0	55	.79	6.5	6.40	110	65
-18	LT10K324	390.0	60	.79	6.2	7.40	105	60
-19	LT10K325	470.0	60	.79	5.7	9.50	92	58
-20	LT10K326	560.0	60	.79	4.7	10.5	90	55
-21	LT10K327	680.0	60	.79	4.5	11.8	80	50
-22	LT10K328	820.0	60	.79	4.2	13.0	80	45
-23	LT10K329	1,000.0	60	.79	3.8	17.5	70	40
-24	LT10K330	1,200.0	45	.25	1.5	22.1	60	35
-25	LT10K331	1,500.0	45	.25	1.2	26.5	55	33
-26	LT10K332	1,800.0	45	.25	1.0	29.9	50	30
-27	LT10K333	2,200.0	45	.25	.97	33.8	50	27
-28	LT10K334	2,700.0	45	.25	.92	47.3	40	25
-29	LT10K335	3,300.0	45	.25	.84	53.0	40	22
-30	LT10K336	3,900.0	45	.25	.80	73.8	35	20
-31	LT10K337	4,700.0	45	.25	.74	81.6	31	19
-32	LT10K338	5,600.0	44	.25	.73	98.9	28	17
-33	LT10K339	6,800.0	40	.25	.66	111.0	27	16
-34	LT10K340	8,200.0	40	.25	.54	119.0	26	15
-35	LT10K341	10,000.0	40	.25	.47	137.0	24	14
-36	LT10K342	12,000.0	30	.079	.33	143.0	23	13
-37	LT10K343	15,000.0	30	.079	.29	157.0	22	12
-38	LT10K344	18,000.0	30	.079	.28	175.0	21	10
-39	LT10K345	22,000.0	27	.079	.25	274.0	17	9
-40	LT10K346	27,000.0	27	.079	.21	308.0	16	8
-41	LT10K347	33,000.0	27	.079	.19	343.0	15	7.5
-42	LT10K348	39,000.0	27	.079	.17	376.0	15	6.0
-43	LT10K349	47,000.0	23	.079	.16	473.0	13	5.5
-44	LT10K350	56,000.0	23	.079	.14	512.0	13	5.0
-45	LT10K351	68,000.0	23	.079	.13	580.0	12	4.0
-46	LT10K352	82,000.0	21	.079	.12	618.0	11	3.5
-47	LT10K353	100,000.0	18	.079	.11	678.0	11	3.0

1/ The dash number added to the MS military standard number constitutes the MS part number, for example, MS21363-1.

P.A. Air Force-85 Other Cust	International Interest	TITLE COILS, RADIO FREQUENCY, MOLDED FIXED, MICRO-MINIATURE, MAGNETICALLY SHIELDED, (FERRITE CORE-FERRITE SLEEVE) TYPES LT10K307 TO LT10K353 INCL	MILITARY STANDARD
Procurement Specification MIL-C-15305		SUPERSEDES:	MS 21363(USAF)
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DD FORM 672 (LIMITED COORDINATION)
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APPROVED REVISED (A) FOR CHANGES SEE PAGES 1 AND 3

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FED SUP CLASS
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Electrical Characteristics (Final)				
Inspection Group	Allowable variation from initial measurement		Allowable % from specified minimum value in Electrical Characteristics (initial) table	
Qualification inspection	Inductance	DC resistance	Self-resonant frequency	Q
	Percent			
Group II	±5	---	---	-10
Group III	±10	±(5%+.001 ohm)	-15	-20
Group IV	±5	±(2%+.001 ohm)	-5	-20
Quality conformance inspection				
Group C				
Subgroup I	±5	---	---	-10
Subgroup II	±5	±(2%+.001 ohm)	-5	-20
Subgroup III	±10	±(5%+.001 ohm)	-15	-20

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. Solderable/weldable lead wire AWG number 22.
7. Dimensions are in inches.
8. Metric equivalents are given for general information only.
9. Referenced document shall be in effect on date of invitation for bid.
10. This standard takes precedence over the procurement specification referenced herein.

(A)

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