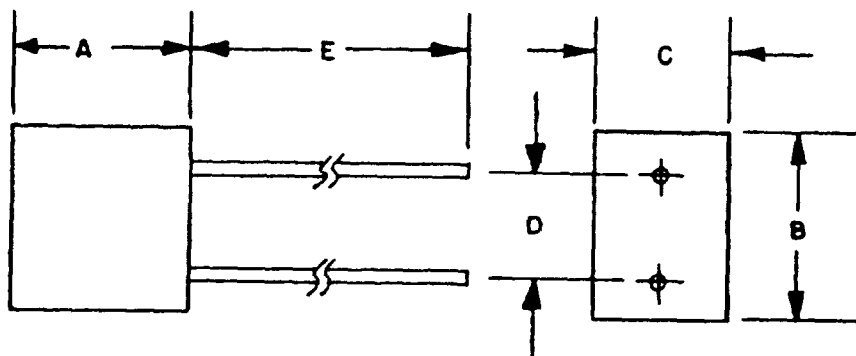


FED SUP CLASS
5950

Ratings

Style	LT4
Grade	1
Class	B
Operating temperature range	-55°C to +125°C
Ambient temperature	90°C maximum
Temperature rise	35°C maximum
Power dissipation	0.2 watt maximum
Dielectric withstanding voltage:	
Sea level	700 V rms minimum
Reduced barometric pressure	200 V rms minimum
Terminal pull	5 pounds minimum
Weight	.5 gram maximum
Altitude	70,000 feet maximum

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.200 (5.08)	.230 (5.84)
B	.190 (4.83)	.210 (5.33)
C	.090 (2.29)	.110 (2.79)
D	.090 (2.29)	.110 (2.79)
E	1.00 (25.40)	---

C denotes changes

P A
Air Force - 85
Other CustInternational
InterestTITLE
COILS, RADIO FREQUENCY, MOLDED, FIXED,
SUBMINIATURE, TYPES LT4K521 TO LT4K545 INCL

MILITARY STANDARD

MS21423(85)

Procurement Specification
MIL-C-15305

SUPERSEDES

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DD FORM 672
1 MAY 73

AMSC N/A

(Limited coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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5950-F214-02

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User activities

Review activities

APPROVED 15 MAY 1974 REVISED (A) 21 OCT 1974 (B) 9 NOV 1982 (C) 28 SEP 1987

FED SUP CLASS
5950

(C)

TABLE 1. Electrical characteristics (initial).

Dash no. 1/	Type designation	Inductance	Test frequency	Q (min)	Self resonant frequency (min)	DC resistance (max)	Rated dc current (max)
		μH	MHz		MHz	ohms	mA
01	LT4K521	.01 $\pm 20\%$	150	60	1000	.02	3000
02	LT4K522	.012 "	150	60	1000	.02	3000
03	LT4K523	.015 "	150	60	1000	.02	3000
04	LT4K524	.018 "	150	60	1000	.02	3000
05	LT4K525	.022 "	100	60	900	.02	3000
06	LT4K526	.027 "	100	60	800	.02	3000
07	LT4K527	.033 "	100	60	750	.02	3000
08	LT4K528	.039 "	100	60	700	.02	3000
09	LT4K529	.047 "	100	60	650	.02	3000
10	LT4K530	.056 "	100	60	600	.02	3000
11	LT4K531	.068 "	100	60	550	.03	2500
12	LT4K532	.082 $\pm 20\%$	100	60	500	.04	2200
13	LT4K533	.10 $\pm 10\%$	50	80	450	.04	2200
14	LT4K534	.12 "	50	80	400	.05	2000
15	LT4K535	.15 "	50	80	350	.06	1800
16	LT4K536	.18 "	50	80	320	.07	1600
17	LT4K537	.22 "	50	80	300	.08	1500
18	LT4K538	.27 "	50	80	280	.10	1400
19	LT4K539	.33 "	50	80	260	.12	1300
20	LT4K540	.39 "	50	80	240	.15	1150
21	LT4K541	.47 "	50	80	220	.20	1000
22	LT4K542	.56 "	50	70	200	.25	900
23	LT4K543	.68 "	50	70	180	.30	800
24	LT4K544	.82 "	50	70	160	.35	750
25	LT4K545	1.0 $\pm 10\%$	50	70	150	.40	700

1/ The dash number added to the MS military standard number constitutes the MS part number, for example MS21423-01.

P A Air Force - 85 Other Cust	International interest	TITLE COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE, TYPES LT4K521 TO LT4K545 INCL	MILITARY STANDARD
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APPROVED 15 MAY 1974 REVISED (C) FOR CHANGES SEE PAGES 2 AND 3

User activities

Review activities

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TABLE II. Electrical characteristics (final).

Inspection group	Allowable variation from initial measurement		Allowable percent from specified minimum value in electrical characteristics (initial) table	
	Inductance percent	DC resistance	Self resonant frequency	Q
Qualification inspection				
Group II	±2	---	---	-10
Group III	±5	±(3% +.001 ohm)	-8	-10
Group IV	±5	±(2% +.001 ohm)	-10	-10
Quality conformance inspection				
Group C				
Subgroup I	±2	---	---	-10
Subgroup II	±5	±(2% +.001 ohm)	-10	-10
Subgroup III	±5	±(3% +.001 ohm)	-8	-10

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. The overload current shall be 1.4 times the rated value specified in table I.
4. Barometric pressure test (test condition C) is applicable.
5. Lead wire shall be type LW (0.51) C4W or LW (0.51) C5W in accordance with MIL-STD-1276.
6. Shock, specified pulse, method 213, test condition I, is applicable. Vibration (high frequency), method 204, MIL-STD-202, test condition D.
7. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.
8. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDiss) specified in the solicitation form a part of this standard to the extent specified herein.

P A
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