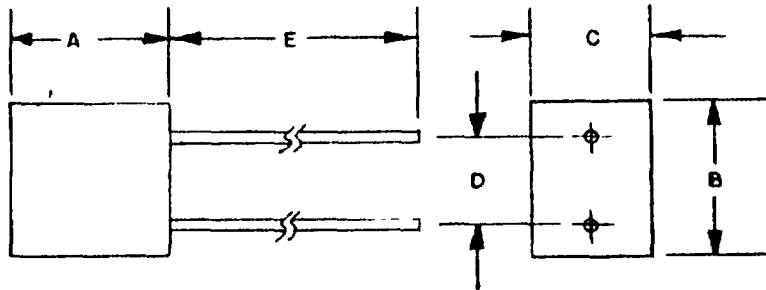


FED. SUP CLASS
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Ratings

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

(C)

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 LT4X496 TO LT4X520 INCL

MILITARY STANDARD

MS21422 (85)

Procurement Specification
MIL-C-15305

SUPERSEDES

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AMSC N/A

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User activities

Review activities

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

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(C)

TABLE I 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	LT4K496	.10 $\pm 10\%$	25	55	450	.04	2200
02	LT4K497	.12 "	25	60	400	.05	2000
03	LT4K498	.15 "	25	60	350	.06	1800
04	LT4K499	.18 "	25	60	320	.07	1600
05	LT4K500	.22 "	25	65	300	.08	1500
06	LT4K501	.27 "	25	65	280	.10	1400
07	LT4K502	.33 "	25	65	260	.11	1300
08	LT4K503	.39 "	25	65	240	.14	1200
09	LT4K504	.47 "	25	65	220	.17	1100
10	LT4K505	.56 "	25	70	200	.22	1000
11	LT4K506	.68 "	25	70	180	.27	900
12	LT4K507	.82 $\pm 10\%$	25	70	160	.30	800
13	LT4K508	1.0 $\pm 5\%$	25	70	150	.35	750
14	LT4K509	1.2 "	7.9	60	130	.40	700
15	LT4K510	1.5 "	7.9	60	120	.50	630
16	LT4K511	1.8 "	7.9	60	110	.70	530
17	LT4K512	2.2 "	7.9	60	100	.90	470
18	LT4K513	2.7 "	7.9	60	90	1.1	420
19	LT4K514	3.3 "	7.9	60	70	1.3	390
20	LT4K515	3.9 "	7.9	60	60	1.5	360
21	LT4K516	4.7 "	7.9	60	50	1.8	330
22	LT4K517	5.6 "	7.9	60	45	2.0	310
23	LT4K518	6.8 "	7.9	60	40	2.2	300
24	LT4K519	8.2 "	7.9	60	37	2.4	290
25	LT4K520	10.0 $\pm 5\%$	7.9	60	35	2.6	280

1/ The dash number added to the MS military standard number constitutes the MS part number, for example MS21422-01.

P A Air Force - 85 Other Cust	International interest	TITLE COILS, RADIO FREQUENCY, MOLDED, FIXED SUBMINIATURE, TYPES LT4K496 TO LT4K520 INCL	MILITARY STANDARD
			MS21422(85)
Procurement Specification MIL-C-15305		SUPERSEDES	PAGE 2 OF 3

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User activities

Review activities

APPROVED 15 MAY 1974

REVISED (C) FOR CHANGES SEE PAGES 2 AND 3

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User activities:

Review activities

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) C4N or LW (0.51) C5N 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.

C

P A Air Force - 85 Other Cust	International Interest	TITLE COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE, TYPES LT41496 TO LT4150 INCL	MILITARY STANDARD MS 21422 (85)
Procurement Specification MIL-C-15305		SUPERSEDES	PAGE 3 OF 3

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