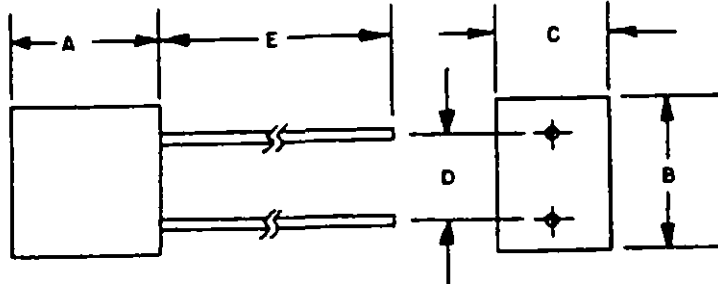


FED. SUP CLASS  
5950

User activities:

Review activities:



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	.33 watt maximum
Dielectric withstanding voltage:	
Sea level	700 V rms minimum
Reduced barometric pressure	200 V rms minimum
Terminal pull	5 pounds minimum
Weight	1 gram maximum
Altitude	70,000 feet maximum

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.270 (6.86)	.300 (7.62)
B	.260 (6.60)	.280 (7.11)
C	.140 (3.56)	.160 (4.06)
D	.190 (4.83)	.210 (5.33)
E	1.00 (25.40)	---

(C) denotes changes

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P.A.  
Air force - 85  
Other Curr

Intermittent  
Intermittent

TITLE  
COILS, RADIO FREQUENCY, MOLDED, FIXED,  
SUBMINIATURE TYPES LT4K546 to LT4K570  
INCL.

MILITARY STANDARD

MS 21424(85)

Procurement Specification  
MIL-C-15305

SUPERSEDES:

PAGE 1 OF 3

DD FORM 672  
1 MAY 73  
AMSC NIA

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5950-F214-03

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 ±5%	Test frequency	Q (min)	Self resonant frequency (min)	DC resistance (max)	Rated dc current (max)	Approx. cap.
		$\mu\text{H}$	$\text{MHz}$		$\text{MHz}$	$\text{ohms}$	$\text{mA}$	$\text{pF}$
01	LT4K546	10	2.5	75	35	1.1	550	1.43
02	LT4K547	12	2.5	75	31	1.3	500	1.61
03	LT4K548	15	2.5	75	27	1.5	450	1.65
04	LT4K549	18	2.5	80	24	1.9	410	1.67
05	LT4K550	22	2.5	80	22	2.3	380	1.71
06	LT4K551	27	2.5	80	20	2.7	350	1.63
07	LT4K552	33	2.5	80	18	3.3	320	1.57
08	LT4K553	39	2.5	80	16	3.9	290	1.79
09	LT4K554	47	2.5	80	14	4.7	260	1.88
10	LT4K555	56	2.5	80	12	5.6	240	2.31
11	LT4K556	68	2.5	80	11	5.8	220	2.10
12	LT4K557	82	2.5	80	10	8.1	200	3.15
13	LT4K558	100	2.5	80	9.1	3.7	180	3.09
14	LT4K559	120	.79	45	8.2	4	160	3.10
15	LT4K560	150	.79	45	7.3	4	150	2.18
16	LT4K561	180	.79	45	5.4	4	140	2.38
17	LT4K562	220	.79	50	5.6	4	130	2.68
18	LT4K563	270	.79	55	5.0	4	120	2.61
19	LT4K564	330	.79	55	4.4	19	130	2.72
20	LT4K565	390	.79	55	3.9	22	120	2.94
21	LT4K566	470	.79	55	3.5	27	110	3.05
22	LT4K567	560	.79	55	3.1	32	100	3.31
23	LT4K568	680	.79	55	2.8	19	130	3.21
24	LT4K569	820	.79	50	2.5	23	120	3.4
25	LT4K570	1000	.79	50	2.2	27	110	3.75

1/ The dash number added to the MS military standard number constitutes the MS part number, for example MS21424-01.

P.A. Air Force - 85 Other Cust	International Interest	TITLE COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE, TYPES LT4K546 TO LT4K570 INCL.	MILITARY STANDARD
Procurement Specification MIL-C-15305		SUPERSEDES:	MS 21424(85)
			PAGE 2 OF 3

REVISED (C) FOR CHANGES SEE PAGES 2 AND 3  
APPROVED 15 MAY 1974

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User activities:

Review activities:

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	
Qualification inspection	Inductance percent	DC resistance	Self resonant frequency	Q
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:

- Dimensions are in inches.
- Metric equivalents are given for general information only.
- The overload current shall be 1.4 times the rated value specified in table I.
- Barometric pressure test (test condition C) is applicable.
- Lead wire shall be type LW (0.65) C4W or LW (0.65) C5W in accordance with MIL-STD-1276.
- Shock, specified pulse, method 213, test condition 1, is applicable.
- Vibration (high frequency), method 204, MIL-STD-202, test condition D.
- 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.
- 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

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P.A. Air force - 85 Other Cust	International Interpret	TITLE COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE TYPES LT4K546 to LT4K570 INCL.	MILITARY STANDARD
Procurement Specification MIL-C-15305		SUPERSEDES:	MS 21424(85)
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