

INCH-POUND

MS75132A

17 November 1992

SUPERSEDING

MS75132

17 July 1987

MILITARY SPECIFICATION SHEET

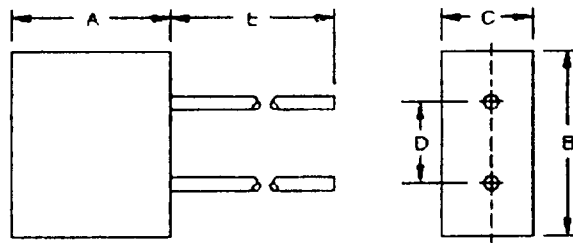
COILS, RADIO FREQUENCY, MOLDED, FIXED, SUBMINIATURE TYPES LT4K

(A)

Inactive for new design after the date of this specification.

This specification is approved for use by all Departments and Agencies of the Department of Defense

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-15305



Ltr	Dimensions	
	Minimum	Maximum
A	.360 (9.14)	.390 (9.91)
B	.360 (9.14)	.390 (9.91)
C	.177 (4.50)	.197 (5.00)
D	.190 (4.83)	.210 (5.33)
E	1.00 (25.40)	----

NOTES.

1. Dimensions are in inches
2. Metric equivalents are in parentheses and are given for general information only
3. AWG No. 22 tinned copper lead wire

FIGURE 1 Dimensions and configurations

(A)

denotes changes

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REQUIREMENTS.

Design, construction, and physical dimensions see figure 1.

Style LT4
Grade 1
Class B

Weight 1.6 grams maximum

Operating temperature range: -55°C to +125°C.

Ambient temperature: 90°C maximum

Temperature rise: 35°C maximum

Power dissipation 0.5 watt maximum

Terminal pull 5 pounds maximum.

Altitude 70,000 feet

Dielectric withstanding voltage (sea level): Method 301 of MIL-STD-202, test voltage 700 V rms
minimum

Barometric pressure (reduced) Method 105 of MIL-STD-202, test condition C, test voltage 200 V rms
minimum

Shock, specified pulse Method 213 of MIL-STD-202, test condition I

Vibration, high frequency Method 204 of MIL-STD-202, test condition D.

Electrical characteristics See tables I and II

Inductance See table I

Inductance tolerance ± 5 percent.

Q values See table I

Self-resonant frequency See table I.

DC resistance See table I

Ⓐ Quality assurance provisions:

Qualification inspection Not applicable.

Quality conformance inspection Groups A and B tests of MIL-C-15305 shall be applicable

Part or Identifying Number (PIN) MS75132-(dash number from table I)

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TABLE I Initial electrical characteristics

Dash no	Inductance ±5% (μH)	Test Freq. (MHz)	Q min	Minimum self-resonant frequency (MHz)	Maximum DCR (ohms)	Maximum dc rated current (mA)
01	100	.790	75	8.4	6.0	280
02	110	.790	75	7.5	7.0	260
03	120	.790	75	7.5	7.0	260
04	130	.790	75	6.8	8.0	240
05	150	.790	75	6.8	8.0	240
06	160	.790	75	6.1	10.0	220
07	180	.790	75	6.1	10.0	220
08	200	.790	75	5.4	12.0	200
09	220	.790	80	5.4	12.0	200
10	240	.790	80	4.7	14.0	180
11	270	.790	80	4.7	14.0	180
12	300	.790	80	4.2	17.0	165
13	330	.790	80	4.2	17.0	165
14	360	.790	80	3.8	20.0	150
15	390	.790	80	3.8	20.0	150
16	430	.790	75	3.4	24.0	140
17	470	.790	75	3.4	24.0	140
18	510	.790	75	3.1	28.0	130
19	560	.790	75	3.1	28.0	130
20	620	.790	75	2.8	33.0	120
21	680	.790	75	2.8	33.0	120
22	750	.790	75	2.5	40.0	110
23	820	.790	75	2.5	40.0	110
24	910	.790	75	2.2	46.0	110
25	1000	.790	75	2.2	46.0	100
26	1100	.250	45	1.9	46.0	100
27	1200	.250	45	1.9	30.0	120
28	1300	.250	45	1.6	35.0	110
29	1500	.250	45	1.6	35.0	110
30	1600	.250	45	1.4	40.0	105
31	1800	.250	50	1.4	40.0	105
32	2000	.250	50	1.3	50.0	95
33	2200	.250	50	1.3	50.0	95
34	2400	.250	50	1.2	60.0	85
35	2700	.250	50	1.2	60.0	85
36	3000	.250	50	1.1	70.0	80
37	3300	.250	50	1.1	70.0	80
38	3600	.250	50	1.0	80.0	75
39	3900	.250	50	1.0	80.0	75
40	4300	.250	50	.9	90.0	70
41	4700	.250	50	.9	90.0	70
42	5100	.250	45	.8	100.0	65
43	5600	.250	45	.8	100.0	65
44	6200	.250	40	.7	140.0	60
45	6800	.250	40	.7	140.0	60
46	7500	.250	40	.6	160.0	55
47	8200	.250	40	.6	160.0	55
48	9100	.250	40	.6	175.0	50
49	10000	.250	40	.6	175.0	50

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CONCLUDING MATERIAL

Custodians:

Army - ER

Navy - EC

Air Force - 85

Review activities.

Army - AR, HI

Navy - OS, SH

Air Force - 19

DLA - ES

User activities

Army - ME

Navy - AS, CG, MC

Preparing activity:

Army - ER

Agent:

DLA - ES

(Project 5950-0814)