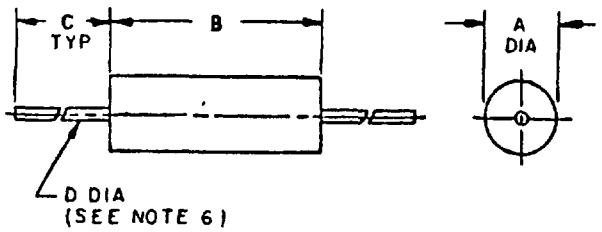
APPROVED 24 Mar 59 — REVISED (A) 18 Oct 62 (B) 25 Mar 63 (C) 14 Mar 72 (D) 31 Oct 72 (E) 4 September 1985

FED. SUP CLASS 5950

(E) INACTIVE FOR NEW DESIGN AFTER 4 September 1985 USE MIL-C-39010/4



RATINGS

Style	LT4
Grade	1
Class	B
Temperature rise	35°C
Ambient temperature	90°C
Operating temperature	-55° to+125°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
Weight	.95 gram max.

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.156 (3.96)	.219 (5.56)
B	.406(10.31)	.469(11.91)
C	1.250(31.75)	1 625(41.28)
D	.023 (.58)	.027 (.69)

ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No 1/ 2/	Type designation	Former type designation	Former MS part No.	Inductance	Q, min	Test frequency	Self-resonant frequency, min	DC resistance, max	Rated DC current
				uH		MHz	MHz	Ohms	mA
-21	LT1K027	LT7K125	MS16224 1 and MS75008-1	10 1 ±20%	55	25 0	510	0 030	3,000
-22	LT1K028	LT7K126	MS16224-2 and MS75008-2	10 22 ±20%	50	25 0	415	0 035	2,800
-23	LT1K029	LT7K127	MS16224-3 and MS75008-3	10 33 ±20%	50	25 0	350	0 065	2,000
-24	LT1K030	LT7K128	MS16224-4 and MS75008-4	10 47 ±20%	50	25 0	300	0 085	1,700
-25	LT1K031			10.56 ±10%	50	25 0	270	0 125	1,450
-26	LT4K032	LT7K129	MS16224-5 and MS75008-5	10 68 ±10%	45	25 0	250	0 150	1,300
-27	LT1K033			10 82 ±10%	40	25 0	210	0 205	1,100
-28	LT1K034	LT7K130	MS16224-6 and MS75008-6	11 00 ±10%	40	25 0	200	0 290	930
-29	LT1K035			11.20 ±10%	30	7 9	160	0 400	785
-30	LT1K036	LT7K131	MS16224-7 and MS75008-7	11 50 ±10%	30	7 9	170	0 485	700
-31	LT K037			11 80 ±10%	30	7 9	150	0 740	580
-32	LT K038	LT7K132	MS16224-8 and MS75008-8	12 20 ±10%	30	7 9	140	0 970	505
-33	LT4K039	LT7K133	MS16224-9 and MS75008-9	12 70 ±10%	30	7 9	120	1 20	460

1/ The dash number added to the MS military-standard number constitutes the MS part number for example, MS75008-21.
2/ See note 11

(E) Denotes changes

P A ARMY - ER Other Cust AF-85 NAVY - EC	International Interest	TITLE COILS, RADIOFREQUENCY, MOLDED, FIXED, SUBMINIATURE (PHENOLIC CORE) TYPES LT4K027 TO LT4K039 INCL	MILITARY STANDARD MS 75008
Procurement Specification MIL-C-15305		SUPERSEDES	PAGE 1 OF 2

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 5950-0650-01

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

Electrical characteristics (final).

Inspection Group	Allowable variation from initial measurement		Allowable % from specified minimum value in Electrical Characteristics (initial) table	
	Inductance	DC resistance	Self-resonant frequency	Q
Qualification Inspection	Percent			
Group II	±2	--	--	-10
Group III	±5	±(3%+.001 ohm)	- 8	-10
Group IV	±5	±(2%+.001 ohm)	-10	-15
Quality Conformance Inspection				
Group C				
Subgroup I	±2	--	--	-10
Subgroup II	±5	±(2%+.001 ohm)	-10	-15
Subgroup III	±5	±(3%+.001 ohm)	- 8	-10

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. These coils are intended to be mounted by their leads.
4. The polarizing voltage during the moisture-resistance tests is applied with the positive lead connected to the coil terminals tied together, and the negative lead connected to the metal strap.
5. Terminal strength (Pull) test, is not applicable in "Group B" inspection table VI.
6. Solderable/weldable lead wire, number 22 AWG.
7. Barometric pressure test (test condition C) is applicable.
8. Shock, specified pulse, method 213, test condition I, is applicable.
9. Former MS part numbers MS75008-34 thru MS75008-45 have been superseded by MS75101-1 thru MS75101-12, respectively
10. Metric equivalents are in parentheses
11. 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
12. 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

APPROVED 24 Mar 59 REVISED (E) FOR CHANGES SEE PAGES 1 AND 2

NOTICE
OF VALIDATION

INCH-POUND

MS-75008E
NOTICE 1
11 November 1991

MILITARY STANDARD

COILS, RADIO FREQUENCY, MOLDED, FIXED SUBMINIATURE, (PHENOLIC CORE) TYPES LT4K027 TO LT4K039, INCL.

Military standard MS-75008E, dated 4 September 1985, remains inactive for new design, however, the document is valid for use in acquisition when needed. For new design, use MIL-C-39010/4.

Custodians:

Army - ER
Navy - EC
Air Force - 85

Review activities:

Army - MI, ME
Air Force - 11, 17

User activities:

Army - AR
Navy - AS, MC, OS, SH
Air Force - 19

Preparing activity:

Army - ER

Agent:
DLA-ES

AMSC N/A

FSC 5950

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