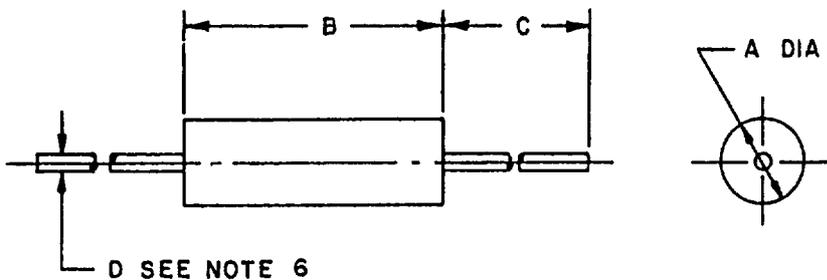


FED SUP CLASS
5950



RATINGS	
STYLE	LT10
GRADE	1
CLASS	A
TEMPERATURE RISE	15°C
AMBIENT TEMPERATURE	90°C
OPERATING TEMPERATURE	-55° to +105°C
DIELECTRIC WITHSTANDING VOLTAGE (sea level)	200 V rms
DIELECTRIC WITHSTANDING VOLTAGE (reduced barometric pressure)	80 V rms
TERMINAL PULL	3 pounds
ALTITUDE	70,000 feet
PERCENT COUPLING	3% max.
WEIGHT	.250 grams max.

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.085 (2.16)	.105 (2.67)
B	.240 (6.10)	.260 (6.60)
C	1.380 (35.05)	1.620 (41.15)
D	.015 (.38)	.0215 (.55)

Electrical characteristics (initial)								
Dash No	Type designation	Inductance ±10% μH	Test frequency MHz	Q Min	Self-resonant frequency Min MHz	DC resistance Max. at 25°C ohms	Rated DC current mA	Incremental current mA
-1	LT10K	120	.79	31	13	5.8	88	27
-2	LT10K	150	.79	33	12	7.9	75	24
-3	LT10K	180	.79	33	11	9.4	69	22
-4	LT10K	220	.79	35	10	11.0	64	20
-5	LT10K	270	.79	37	9	12.0	61	18
-6	LT10K	330	.79	40	8	16.0	53	16
-7	LT10K	390	.79	38	7.8	21.0	46	14
-8	LT10K	470	.79	36	7.5	24.0	43	13
-9	LT10K	560	.79	36	7.0	28.0	40	12

1/ The dash number added to the MS (military standard) number constitutes the MS part number, for example MS21427-1.

ⓑ denotes changes

P A AF - 85	International Interest	TITLE ⓑ COILS, RADIO FREQUENCY, MOLDED, FIXED, MICRO-MINIATURE, MAGNETICALLY SHIELDED (FERRITE CORE-FERRITE SLEEVE) TYPE LT10K	MILITARY STANDARD
Other Cust			MS21427 (USAF)
Procurement Specification MIL-C-15305		SUPERSEDES:	PAGE 1 OF 2

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5950 - F204

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Review activities 11,17

User activities. 19

APPROVED 31 MAR 1976 REVISED ⓐ 26 APR 1984 ⓑ 31 OCT 1984

FED SUP CLASS
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Electrical characteristics (Final)

Inspection group	Allowable variation from initial measurement		Allowable % variation from specified minimum value in Electrical Characteristics (initial) table	
	Inductance	DC resistance	Self-resonant frequency	Q
Qualification inspection	Percent			
Group II	+5	---	---	-15
Group III	+10	+3% (+ 001 ohm)	-15	-20
Group IV	+10	+3% (+ 001 ohm)	-15	-20
Quality conformance inspection				
Group C				
Subgroup I	+5	---	---	-15
Subgroup II	+10	+3% (+ 001 ohm)	-15	-20
Subgroup III	+10	+3% (+ 001 ohm)	-15	-20

NOTES:

- Dimensions are in inches.
- Metric equivalents are given for general information only.
- Barometric pressure test (test condition C) is applicable.
- Shock, specified pulse, method 213, test condition I, is applicable.
- These coils are intended to be supported by their leads.
- Solderable/weldable lead wire, AWG No. 26.
- The SRF minimum values tabulated exceeding 250 MHz are estimates and to be used for reference only.
- Polarization during moisture resistance test is not applicable.
- Terminal strength twist test, per MIL-STD-202, method 211, test condition D, except 180° rotation for a total of 540°.
- Referenced document shall be the issue in effect on date of invitation for bid.
- This standard takes precedence over the procurement specification referenced herein.

P A AF -85

International
Interest

TITLE (B)

COILS, RADIO FREQUENCY, MOLDED, FIXED,
MICRO-MINIATURE, MAGNETICALLY SHIELDED
(FERRITE CORE-FERRITE SLEEVE) TYPE LT10K

MILITARY STANDARD

MS21427 (USAF)

Procurement Specification
MIL-C-15305

SUPERSEDES:

PAGE 2 OF 2

DD FORM 672
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APPROVED 31 MAR '76 REVISED (A) FOR CHANGES SEE PAGE 1 (B) FOR CHANGES SEE PAGES 1 & 2