

RATINGS										FED. SUP CLASS 5950	
STYLE	LT4										
GRADE	1										
CLASS	B										
MAXIMUM OPERATING TEMPERATURE	125°C										
TEMPERATURE RISE	35°C										
AMBIENT TEMPERATURE	90°C										
WORKING VOLTAGE	535 VOLTS										
TERMINAL PULL	5 POUNDS										
ALTITUDE	70,000 FEET										

ELECTRICAL CHARACTERISTICS (INITIAL)										
Dash No. 1/	Type designation	Replaced MS part no. MS16442 Rev. C	Replaced type designation and MS part no. for MS16442 Rev. B		Inductance	Q	Test frequency min.	Self-resonant frequency min.	DC resistance max.	Rated dc current 2/
			Type designation	Part No.						
-1	LT4K131	MS16442-1	LT7K048	MS16442-1	150 ± 5%	35	1,790	6.3	4.30	365
-2	LT4K132	MS16442-2	LT7K049	MS16442-2	180 ± 5%	33	1,790	5.7	4.82	345
-3	LT4K133	MS16442-3	---	---	220 ± 5%	26	1,790	5.2	5.70	325
-4	LT4K134	MS16442-4	LT7K050	MS16442-3	250 ± 5%	34	1,790	4.8	4.21	320
-5	LT4K135	MS16442-5	---	---	270 ± 5%	25	1,790	4.7	6.40	310
-6	LT4K136	MS16442-6	LT7K051	MS16442-6	300 ± 5%	34	1,790	4.5	6.23	300
-7	LT4K137	MS16442-7	---	---	320 ± 5%	24	1,790	4.3	7.00	295
-8	LT4K138	MS16442-8	LT7K052	MS16442-8	350 ± 5%	24	1,790	4.1	7.40	285
-9	LT4K139	MS16442-9	---	---	370 ± 5%	24	1,790	3.9	7.80	280
-10	LT4K140	MS16442-10	LT7K053	---	400 ± 5%	23	1,790	3.7	8.20	270
-11	LT4K141	MS16442-11	---	---	420 ± 5%	23	1,790	3.6	8.60	265
-12	LT4K142	MS16442-12	---	---	460 ± 5%	23	1,790	3.3	9.40	255
-13	LT4K143	MS16442-13	LT7K054	---	500 ± 5%	22	1,790	3.2	10.00	245
-14	LT4K144	MS16442-14	---	---	560 ± 5%	22	1,790	3.0	10.60	240
-15	LT4K145	MS16442-15	---	---	620 ± 5%	22	1,790	2.9	11.20	235
-16	LT4K146	MS16442-16	---	---	680 ± 5%	21	1,790	2.8	11.70	230
-17	LT4K147	MS16442-17	---	---	750 ± 5%	21	1,790	2.6	12.20	225
-18	LT4K148	MS16442-18	---	---	820 ± 5%	21	1,790	2.5	13.00	215
-19	LT4K149	MS16442-19	---	---	910 ± 5%	---	---	---	---	---
-20	LT4K150	MS16442-20	---	---	1,000 ± 5%	---	---	---	---	---

1/ The dash number added. MS18118-1.

2/ For the overload. The standard number constitutes the MS part number; for example, MS18118-1.

ELECTRICAL CHARACTERISTICS (FINAL)

Section group	Allowable variation from initial measurement			
	Inductance	Q	Self-resonant frequency	DC resistance
	Percent	Percent	Percent	Percent
Qualification inspection:				
Group II	2	20	2	2
Group III	2	10	2	2
Acceptance inspection:				
Group B	2	10	2	2
Group C	2	10	2	2

NOTES:

1. THE BAROMETRIC-PRESSURE TEST (TEST-CONDITION LETTER C) IS APPLICABLE.
2. INITIAL INSULATION-RESISTANCE TEST, AND INSULATION-RESISTANCE MEASUREMENTS FOLLOWING OTHER TESTS, ARE APPLICABLE.
3. THE TEMPERATURE-RISE, TERMINAL-TWIST, AND SHOCK (METHOD I, CONDITION C, SOG) TESTS ARE APPLICABLE.
4. THE POLARIZING VOLTAGE DURING THE MOISTURE-RESISTANCE TEST IS APPLIED WITH THE POSITIVE LEAD CONNECTED TO THE COIL TERMINALS TIED TOGETHER, AND THE NEGATIVE LEAD CONNECTED TO THE METAL STRAP.
5. REFERENCED DOCUMENT SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
6. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENT REFERENCED HEREIN.
7. VIBRATION-TEST II, TEST CONDITION B, IS APPLICABLE, IN ADDITION UNITS SHALL BE RIGIDLY MOUNTED BY THE BODY.

P.A.	MI	TITLE	MILITARY STANDARD
Other Cust	EL	COILS, RADIOFREQUENCY, METAL ENCASED,	MS18118
	ASD	TYPES LT4K131 TO LT4K148, INCL.	
PROCUREMENT SPECIFICATION MIL-C-15305		SUPERSEDES: MS16442	SHEET 1 OF 1

5950-0434-2