

| RATINGS | | | | | FED. SUP CLASS 5950 | |
|-------------------------------|-------------|--|--|--|------------------------|--|
| STYLE | LT4 | | | | | |
| GRADE | 1 | | | | | |
| CLASS | B | | | | | |
| MAXIMUM OPERATING TEMPERATURE | 129°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. MS16440 Rev C | Replaced type designation and MS part no. for MS16440 Rev. B | | Inductance | Q min. | Test frequency | Self-resonant frequency, min. | DC resistance max. | Rated dc current 2/ |
| | | | Type designation | Part no. | | | | | | |
| - 1 | LT4K101 | MS16440-1 | LT7K030 | MS16440-1 | 4.7 ± 10% | 30 | 7.9 | 35 | 0.14 | 2,085 |
| - 2 | LT4K102 | MS16440-2 | LT7K031 | MS16440-2 | 5.6 ± 10% | 30 | 7.9 | 32 | 0.19 | 1,790 |
| - 3 | LT4K103 | MS16440-3 | LT7K032 | MS16440-3 | 6.8 ± 10% | 30 | 7.9 | 29 | 0.22 | 1,665 |
| - 4 | LT4K104 | MS16440-4 | LT7K035 | MS16440-4 | 8.2 ± 10% | 30 | 7.9 | 27 | 0.28 | 1,480 |
| - 5 | LT4K105 | MS16440-5 | LT7K034 | MS16440-5 | 10.0 ± 10% | 30 | 7.9 | 24 | 0.39 | 1,245 |
| - 6 | LT4K106 | MS16440-6 | LT7K035 | MS16440-6 | 12.0 ± 10% | 22 | 2.5 | 22 | 0.50 | 1,100 |
| - 7 | LT4K107 | MS16440-7 | LT7K036 | MS16440-7 | 15.0 ± 10% | 22 | 2.5 | 20 | 0.70 | 930 |
| - 8 | LT4K108 | MS16440-8 | LT7K037 | MS16440-8 | 18.0 ± 10% | 22 | 2.5 | 18 | 0.96 | 795 |
| - 9 | LT4K109 | MS16440-9 | LT7K038 | MS16440-9 | 22.0 ± 10% | 22 | 2.5 | 16 | 1.30 | 685 |
| - 10 | LT4K110 | MS16440-10 | LT7K039 | MS16440-10 | 28.0 ± 10% | 15 | 2.5 | 15 | 0.34 | 1,340 |
| - 11 | LT4K111 | MS16440-11 | LT7K040 | MS16440-11 | 35.0 ± 10% | 11 | 2.5 | 13 | 0.45 | 1,160 |
| - 12 | LT4K112 | MS16440-12 | LT7K041 | MS16440-12 | 45.0 ± 10% | 11 | 2.5 | 12 | 0.58 | 1,020 |
| - 13 | LT4K113 | MS16440-13 | | | 55.0 ± 10% | 24 | 1.5 | 11 | 3.70 | 405 |
| - 14 | LT4K114 | MS16440-14 | | | 68.0 ± 10% | 24 | 2.5 | 10 | 4.20 | 380 |
| - 15 | LT4K115 | MS16440-15 | | | 82.0 ± 10% | 24 | 2.5 | 9.30 | 5.70 | 325 |
| - 16 | LT4K116 | MS16440-16 | | | 100.0 ± 10% | 24 | 2.5 | 8.50 | 7.80 | 280 |
| - 17 | LT4K117 | MS16440-17 | | | | 23 | 2.5 | 7.60 | 10.50 | 240 |

1/ The dash number added to the MS part number constitutes the MS part number; for example MS18133-1.
 2/ For the overload test, the current shall be 1 1/2 times the rated dc current.

| 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:

- THE BAROMETRIC-PRESSURE TEST (TEST-CONDITION LETTER C) IS APPLICABLE.
- INITIAL INSULATION-RESISTANCE TEST, AND INSULATION-RESISTANCE MEASUREMENTS FOLLOWING OTHER TESTS, ARE APPLICABLE.
- THE TEMPERATURE-RISE, TERMINAL-TWIST, AND SHOCK (METHOD I, CONDITION C, 50G) TESTS ARE APPLICABLE.
- 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.
- REFERENCED DOCUMENT SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENT REFERENCED HEREIN.
- 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, TYPES LT4K101 to LT4K117, DCL. | MS 18133 |
| PROCUREMENT SPECIFICATION MIL-C-15305 | SUPERSEDES: | MS16440 | SHEET 1 OF 1 |

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5950-0434-5

APPROVED 23 April 1964 REVISED (A) 25 Aug 1972