

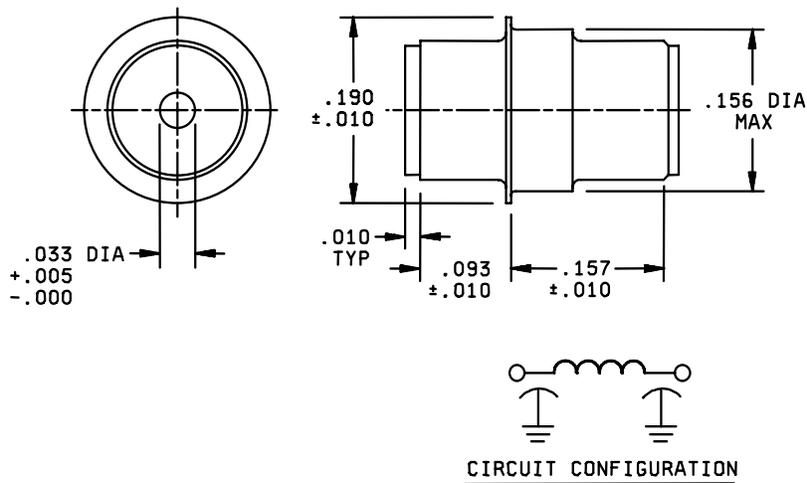
INCH-POUND

MIL-PRF-15733/66A
26 September 2003
SUPERSEDING
MIL-PRF-15733/66(EC)
7 August 1980

PERFORMANCE SPECIFICATION SHEET
FILTERS, RADIO FREQUENCY INTERFERENCE,
STYLE FL50

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

The complete requirements for acquiring the filters described herein shall consist of this specification sheet and the latest issue of MIL-PRF-15733.



Inches	mm
.005	.13
.010	.25
.033	.84
.093	2.36
.156	3.96
.157	3.99
.190	4.83

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Circuit diagram is for information only.
4. Suggested mounting hole is .160 (4.06 mm) diameter.

FIGURE 1. Case and circuit configuration.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case: Not applicable (metallic mounting eyelet termination). Pure tin finish is prohibited.

Mounting termination: Solderable. Pure tin finish is prohibited.

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

Rated voltage: 125 V dc over the operating temperature range.

Rated current: 10 amperes, dc.

Insertion loss: In accordance with MIL-PRF-15733 and table I.

TABLE I. Insertion loss requirements.

Minimum no load insertion loss at 25°C			
10 MHz	100 MHz	1 GHz	10 GHz
5	35	50	50

Seal: Not applicable.

Capacitance to ground: In accordance with MIL-PRF-15733. The measured capacitance shall be 1750 pF minimum.

Dielectric withstanding voltage: In accordance with MIL-PRF-15733. The following exception shall apply:

The test voltage shall be 2.5 x rated dc voltage and shall be applied for 5 ±1 seconds.

Insulation resistance: In accordance with MIL-PRF-15733. Insulation resistance at +25°C shall be at least 1,000 megohms.

Voltage drop: Not applicable.

Overload: In accordance with MIL-PRF-15733. The following exception shall apply:

After the test, insulation resistance only shall be measured at +25°C and shall meet initial requirements.

Terminal strength: Not applicable.

Resistance to solvents: Not applicable.

Salt atmosphere (corrosion): Not applicable.

Vibration (high frequency): In accordance with MIL-PRF-15733 and method 204, MIL-STD-202; test condition D (20 g).

Moisture resistance: Not applicable.

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Life: In accordance with MIL-PRF-15733 and method 108, MIL-STD-202; test condition D.

Measurements after test shall be as specified except:

Insulation resistance shall not be less than 50 percent of the initial requirement.

Part or Identifying Number (PIN): M15733/66-0001.

Marking: Filters shall not be marked. Full marking, in accordance with MIL-PRF-15733, shall be marked on the unit package.

NOTES:

Referenced documents. In addition to MIL-PRF-15733, this specification sheet references the following documents.

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-202

Test Method Standard, Electronic and Electrical Component Parts

(Government documents are available on line at <http://assist.daps.dla.mil/quicksearch> or www.dodssp.daps.mil or from the Standardization Document Order Desk, 700 Robbins Avenue 4D, Philadelphia, PA 19111-5094).

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:
Navy - EC
DLA - CC

Preparing activity:
DLA - CC

(Project 5915-0434)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at www.dodssp.daps.mil.