

INCH-POUND

MIL-PRF-15733/67B  
28 May 2003  
SUPERSEDING  
MIL-PRF-15733/67A  
5 November 1982

PERFORMANCE SPECIFICATION SHEET

FILTERS, RADIO FREQUENCY INTERFERENCE,  
HERMETICALLY SEALED, STYLE FL88

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.

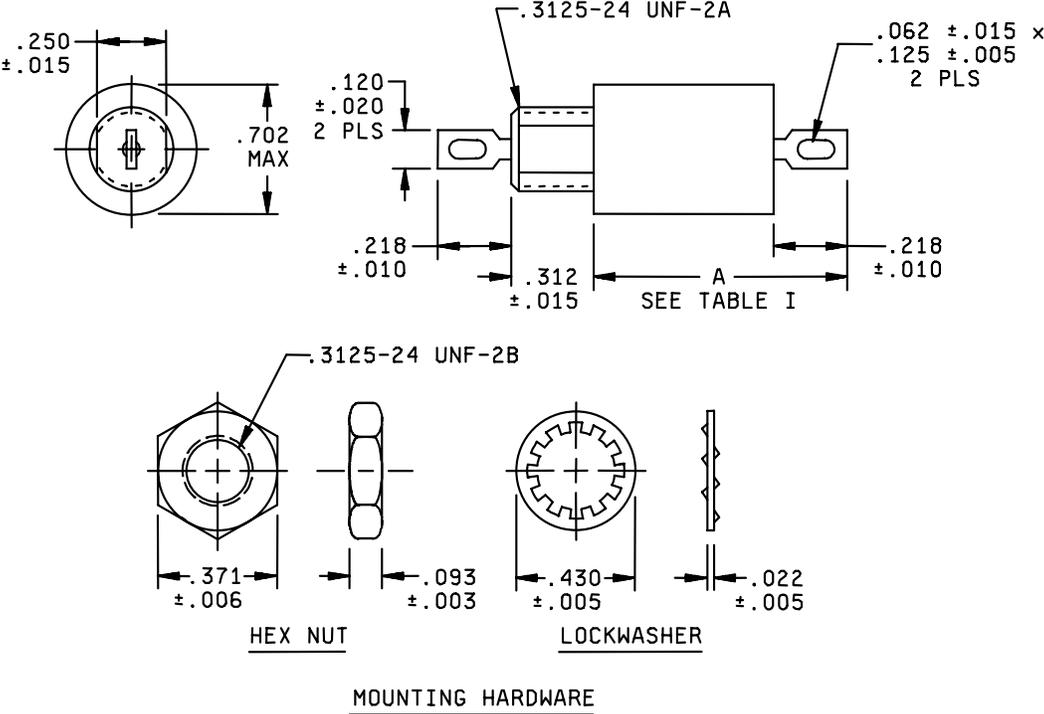
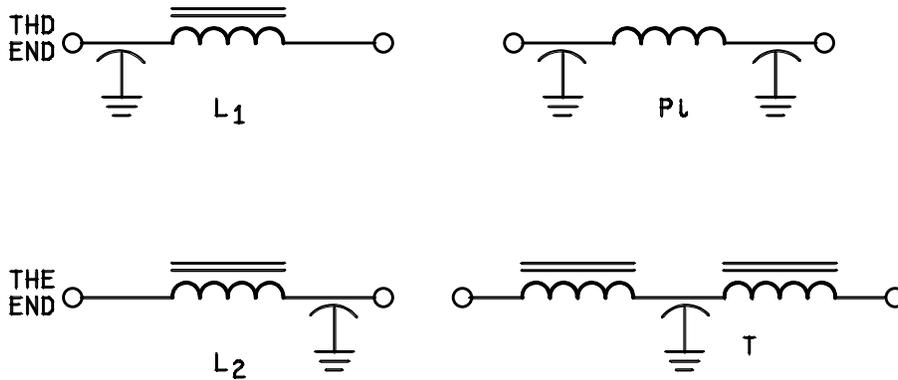


FIGURE 1. Case dimensions, mounting hardware and circuit diagrams.



CIRCUIT DIAGRAMS

Inches	mm	Inches	mm
.003	0.08	.120	3.05
.005	0.13	.125	3.18
.006	0.15	.218	5.54
.010	0.25	.250	6.35
.015	0.38	.312	7.92
.020	0.51	.3125	7.938
.022	0.56	.371	9.42
.062	1.57	.430	10.92
.093	2.36	.702	17.83

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Circuit diagram is for information only.
4. All filters shall be supplied with mounting hardware.
5. Recommended mounting torque: 60 in.-oz. maximum.
6. Terminal identification (non-symmetrical filters): The case shall be marked at the threaded end of the filter, with the symbol "C" or the symbol "L", as follows:

Circuit	Symbol
L <sub>1</sub>	C
L <sub>2</sub>	L

FIGURE 1. Case dimensions, mounting hardware and circuit diagrams - Continued.

MIL-PRF-15733/67B

TABLE I. Dimensions and electrical characteristics.

Dash number	Rated dc voltage (volts)	Rated current (amps)	Filter circuit	Dimensions A ±.030	Insulation resistance minimum (megohms)	Voltage drop (volts)	Insertion loss dB <sup>1/</sup>					
							75 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
0001	100	.5	L <sub>2</sub>	.875	300	.15	35	46	58	70	70	70
0002	100		L <sub>1</sub>									
0003	100	1	L <sub>2</sub>	.875	300	.21	30	40	52	70	70	70
0004	100		L <sub>1</sub>									
0005	100	3	L <sub>2</sub>	.875	700	.09	20	29	37	55	70	70
0006	100		L <sub>1</sub>									
0007	100	5	L <sub>2</sub>	.875	700	.035	20	28	34	46	70	70
0008	100		L <sub>1</sub>									
0009	100	.5	Pi	1.170	350	.15	55	75	80	80	80	80
0010	100	1	Pi	1.170	350	.21	52	69	80	80	80	80
0011	100	3	Pi	1.170	350	.09	26	48	66	80	80	80
0012	100	5	Pi	1.170	350	.10	15	38	58	80	80	80
0013	100	2	T	1.170	700	.16	16	40	50	70	70	70

<sup>1/</sup> No-load insertion loss measurement shall be performed at 75 kHz and 1 GHz. Full-load insertion loss measurement shall be performed from 150 kHz to 10 MHz.

MIL-PRF-15733/67B

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case: Metal.

Case and mounting hardware finish: In accordance with MIL-PRF-15733. Pure tin finish is prohibited.

Terminals: Solderable.

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

Rated voltage: See table I.

Rated current: See table I.

Seal: In accordance with MIL-PRF-15733.

Temperature rise: In accordance with MIL-PRF-15733; 25°C, maximum.

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.

Barometric pressure (reduced): In accordance with MIL-PRF-15733. The following exception shall apply:

Dielectric withstanding voltage shall be in accordance with initial requirements except the test voltage shall be 1.50 x rated dc voltage.

Insulation resistance: In accordance with MIL-PRF-15733 and in table I (at +25°C).

Voltage drop: In accordance with MIL-PRF-15733 and table I.

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

Terminal strength: In accordance with MIL-PRF-15733 and method 211, MIL-STD-202; test condition A.

Salt atmosphere (corrosion): In accordance with MIL-PRF-15733 and method 101, MIL-STD-202; test condition A.

Shock (specified pulse): In accordance with MIL-PRF-15733 and method 213, MIL-STD-202; test condition I.

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

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

Part or Identifying Number (PIN): M15733/67- (dash number from table I).

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

Custodians:

Army - CR  
Navy - EC  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5915-0435)

Review activities:

Army - AT, AV  
Navy - AS, MC, OS, SH  
Air Force - 19, 99