

INCH-POUND

MIL-PRF-15733/67B
W/AMENDMENT 1
23 April 2009
SUPERSEDING
MIL-PRF-15733/67B
28 May 2003

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 requirements for acquiring the filters described herein shall consist of this specification sheet and [MIL-PRF-15733](#).

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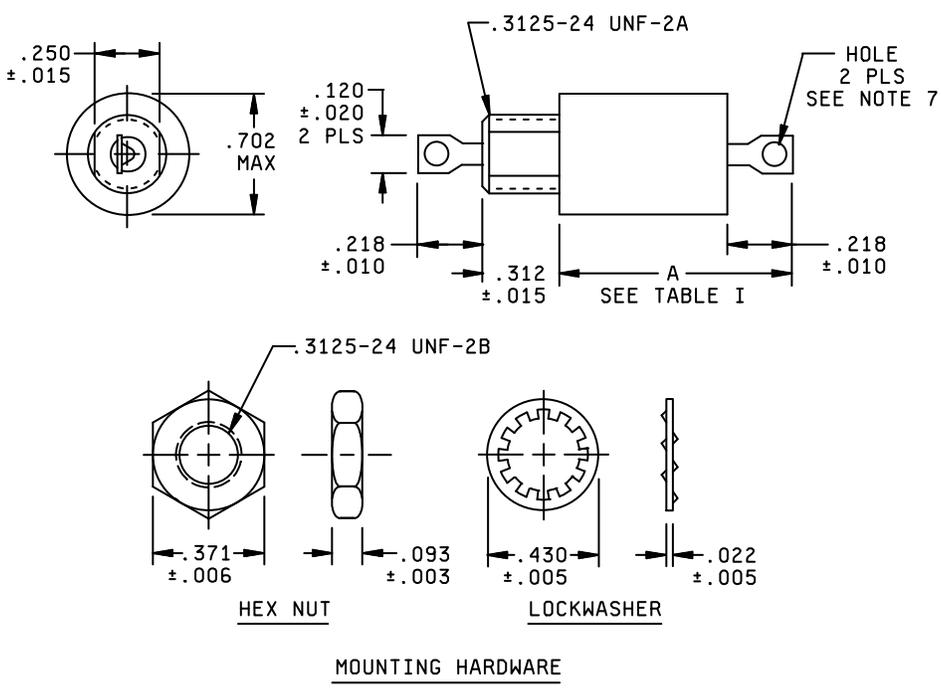
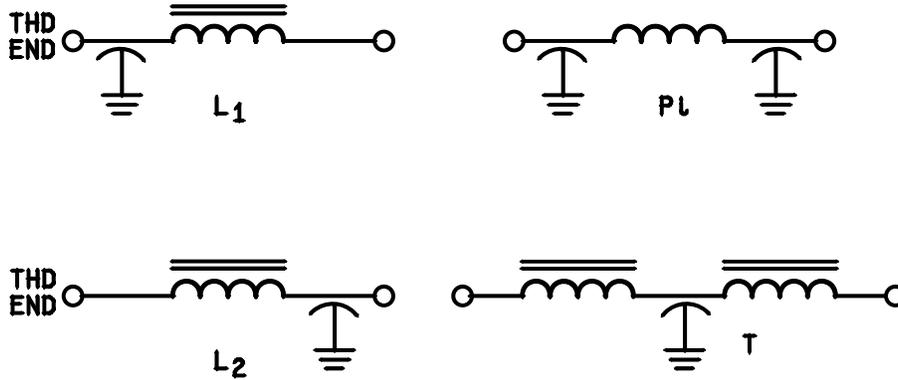


FIGURE 1. Case dimensions, mounting hardware, and circuit diagrams.



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 ₁	C
L ₂	L

* 7. Terminal slot: .062 ± .015 x .125 ± .005

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

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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 <u>1/</u>					
							75 kHz	150 kHz	300 kHz	1 MHz	10 MHz	1 GHz
0001	100	.5	L ₂	.875	300	.15	35	46	58	70	70	70
0002	100		L ₁									
0003	100	1	L ₂	.875	300	.21	30	40	52	70	70	70
0004	100		L ₁									
0005	100	3	L ₂	.875	700	.09	20	29	37	55	70	70
0006	100		L ₁									
0007	100	5	L ₂	.875	700	.035	20	28	34	46	70	70
0008	100		L ₁									
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

1/ 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.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case: Metal.

- * Case and mounting hardware finish: In accordance with [MIL-PRF-15733](#). Pure tin is prohibited as specified in [MIL-PRF-15733](#).

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).

NOTES:

- * Referenced documents. In addition to [MIL-PRF-15733](#), this specification sheet references the following document:

[MIL-STD-202](#)

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- * Amendment notations. The margins of this specification sheet are marked with asterisks to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Custodians:

Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5915-2009-010)

Review activities:

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

- * 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 <http://assist.daps.dla.mil>.