

MILITARY SPECIFICATION SHEET

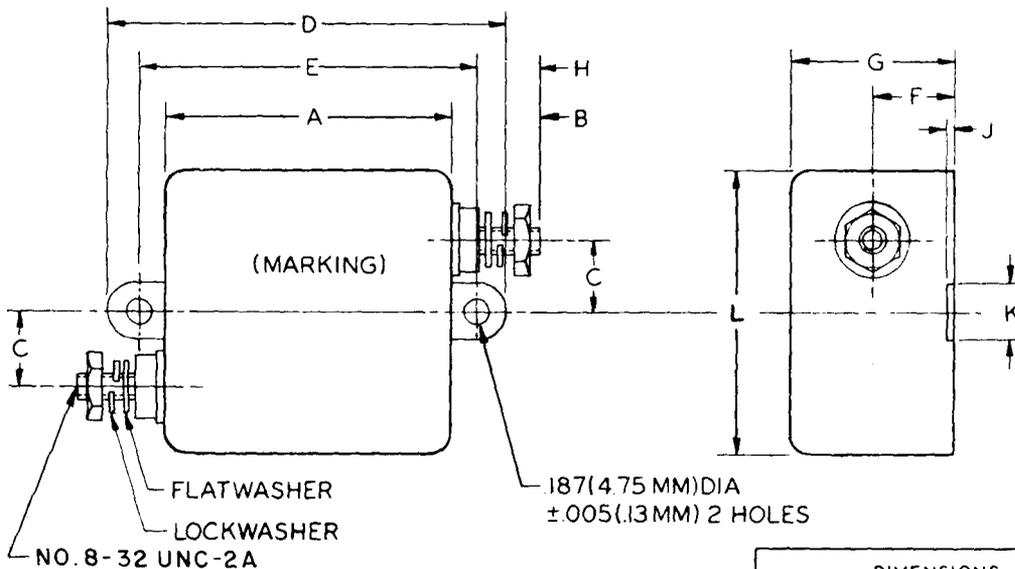
ⓓ

FILTERS, RADIO FREQUENCY INTERFERENCE,  
 STYLE FL74

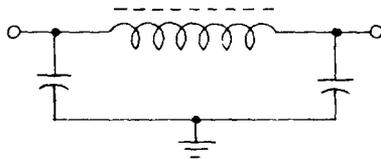
This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the filters described herein shall consist of this document and the latest issue of Specification MIL-F-15733.

ⓓ THIS SPECIFICATION IS INACTIVE FOR DESIGN AFTER DATE OF THIS SPECIFICATION



TYPE DESIGNATION: FL74GE3JA1



CIRCUIT DIAGRAM

LTR	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.969	2.031	50.01	51.59
B	.469	.593	11.91	15.06
C	.531	.593	13.49	15.06
D	2.658	2.813	67.51	71.45
E	2.359	2.391	59.92	60.73
F	.531	.593	13.49	15.06
G	1.094	1.156	27.79	29.36
H	.265	.296	6.73	7.52
J	.015	.025	.38	.64
K	.359	.391	9.12	9.93
L	1.969	2.031	50.01	51.59

NOTES:

1. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
2. Circuit diagram is for information only.

FIGURE 1. Case dimensions and circuit configurations.

ⓓ denotes changes

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Operating temperature range: -65° to 85° C.

Rated voltage: 125 volts ac, 400 volts dc.

Rated current: 10 amperes.

Rated frequency: 0-120Hz.

Insertion loss characteristic: E.

Terminal identification symbol: 3J

Grade: 1.

Seal: Method 112, test condition B, MIL-STD-202.

Temperature rise: 25°C.

Dielectric withstanding voltage: Method 301 of MIL-STD-202.

Barometric pressure: Method 105, test condition B, MIL-STD-202.

Ⓓ Insulation resistance: Method 302, test condition A, MIL-STD-202.  
Insulation resistance shall be not less than 500 megohms.

Maximum voltage drop: 1.25 volts.

Insertion loss: MIL-STD-220.

Overload: 140 percent of rated current.

Terminal strength: Method 211 of MIL-STD-202.

Pull test - Test condition A ----- 9 pounds  
Torque test - Test condition E.

Resistance to soldering heat: Not applicable.

Salt spray(corrosion): Method 101, test condition A, MIL-STD-202.

Ⓓ Thermal shock and immersion cycling:  
Thermal shock: Method 107, test condition A, MIL-STD-202.  
Immersion cycling: Method 104, test condition A, MIL-STD-202.

Shock(specified pulse): Method 213, test condition I, MIL-STD-202.

Vibration: Method 201 of MIL-STD-202.

Ⓓ Moisture resistance:  
Thermal shock; Method 107, test condition A, MIL-STD-202.  
Moisture resistance: Method 106 of MIL-STD-202.

Life: Method 108, test condition B, MIL-STD-202.  
Test voltage - 1.2 times rated ac voltage.

Ⓓ Quality assurance provisions:  
Qualification inspection: Not applicable for this specification.  
Quality conformance inspection: Group A and Group B tests of MIL-F-15733 shall be applicable.

Part number: M15733/16-0001.

Custodians:

Army - ER  
Navy - EC  
Air Force - 11

Review activities:

Army - ER, AR, MI  
Navy - SH  
Air Force - 17, 99  
DLA - ES

User activities:

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

Preparing activity:  
Navy - EC

Agent:  
DLA - ES

(Project 5915-0213)