

THREADED COUPLING, MIL-DTL-5015 TYPE Harsh Environment Power and Signal Interconnects



240-515A MIL-DTL-5015 Series III Type Filter Connector Connector Adapter

FILTER CONNECTORS



NOTES:

- Materials/Finishes: Shells, Barrel, Coupling Nut, Jam Nut - See Table I
Insulators - high grade rigid dielectric/N.A.
Seals - Fluorosilicone
Contacts: Copper alloy 50μ" Gold over 50μ" Nickel
- Assembly to be identified with Glenair's name, part number, and date code - space permitting.
- Insert Arrangement in accordance with MIL-STD-1698. (Arrangement shown for reference only)
- EMI Circular Filter Receptacle connectors designed to meet requirements of MIL-STD-2120 and MIL-DTL-28840.
- All contacts to have identical filter value. Other filter arrangements available, contact factory.
- Electrical Ratings: DWV- 500 VDC; Standard Operating Voltage 200 VDC (Filter class X, Y and Z are 250 VDC)
- Insulation Resistance: 5000 MegOhms Min. at 200 VDC.
- Operating Temperature -55°C to +125°C (Env Class Connectors)
- Other filter styles (C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available, please consult the factory.
- Other filter styles (Pi, C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available, please consult the factory.
- Please consult the factory for Pin/ Pin and/or Socket/Socket contact arrangements.
- Consult factory for backshell options

HOW TO ORDER								
Sample Part Number	240-515	A	NF	36-4	SS	C	B	X
Filter Connector	240-515 = filter connector							
Shell Style	A = connector adapter							
Connector Class	See Table II							
Insert Arrangement	IAW MIL-STD-1651 (See pages 37-39)							
Contact Type	PS = pin, plug side SS = socket, plug side							
Filter Type	C = 'C' circuit (see note 10)							
Capacitance	See Table III							
Alternate Insert	W, X, Y, Z, N = normal per MIL-STD-1651 (see pages 37-39)							

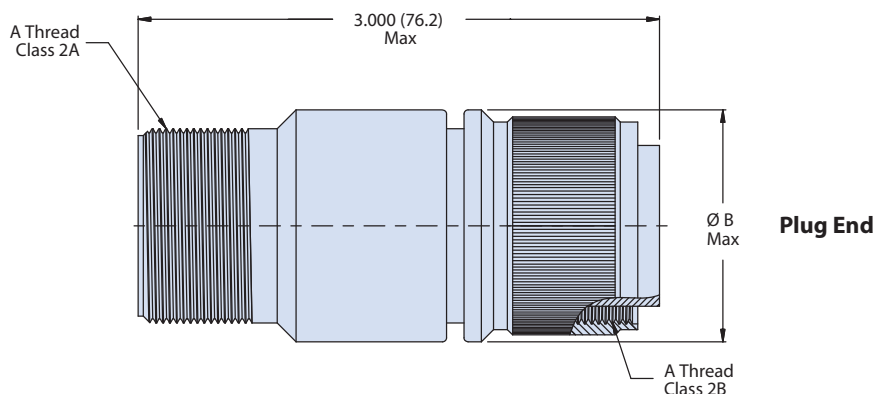


TABLE I: DIMENSIONS

Shell Size	A Thread	Ø B Max
8S	.500-28 UNEF	.844 (21.4)
10S	.625-24 UNEF	.969 (24.6)
10SL	.625-24 UNEF	.969 (24.6)
12S	.750-20 UNEF	1.062 (27.0)
12	.750-20 UNEF	1.062 (27.0)
14S	.875-20 UNEF	1.156 (29.4)
14	.875-20 UNEF	1.156 (29.4)
16S	1.000-20 UNEF	1.250 (31.8)
16	1.000-20 UNEF	1.250 (31.8)
18	1.125-18 UNEF	1.344 (34.1)
20	1.250-18 UNEF	1.469 (37.3)
22	1.375-18 UNEF	1.594 (40.5)
24	1.500-18 UNEF	1.719 (43.7)
28	1.750-18 UNS	1.969 (50.0)
32	2.000-18 UNS	2.219 (56.4)
36	2.250-16 UN	2.469 (62.7)
40	2.500-16 UN	2.719 (69.1)

TABLE II: CONNECTOR CLASS

Sym	Material	Finish Description
ME	Aluminum	Electroless Nickel
NF	Aluminum	Cadmium O.D. Over Electroless Nickel
ZL	Stainless Steel	Electro-Deposited Nickel

Table III: Capacitor Array Code
Capacitance Range

Class	C - Circuit (pF)
X	80,000 - 120,000
Y	40,000 - 60,000
Z	30,000 - 45,000
A	19,000 - 28,000
B	16,000 - 22,500
C	9,000 - 16,500

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