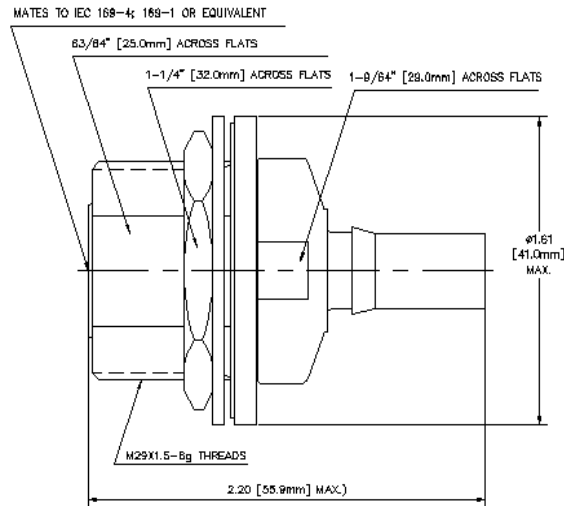


# Connector

PRODUCT SPECIFICATION

## F1PDF-SXBH

7/16 DIN Bulkhead Bulkhead for FSJ1-50A, Superflexible Foam Dielectric Cable



### CHARACTERISTICS

#### Components

O-rings	Silicone Rubber
Insulator	PTFE
Inner Contact	Beryllium Copper Silver Plate
Body	Brass Silver Plate
Jam Nut	Brass Trimetal Plate
Washer	Brass Trimetal Plate

#### Electrical

Recommended Maximum Operating Frequency, GHz	7.5	Connector Limited
Peak Power, max, kW	6.4	Cable Limited
Average Power, max, kW @ 900 MHz	0.39	Cable Limited

#### Customer Support Center:

From North America: 1-800-255-1479  
International: +1-708-873-2307

[www.andrew.com](http://www.andrew.com)

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December 05, 200

# Connector

## PRODUCT SPECIFICATION

### F1PDF-SXBH

7/16 DIN Bulkhead Bulkhead for FSJ1-50A, Superflexible Foam Dielectric Cable

#### Electrical

dc Test Maximum Voltage	1,600	Cable Limited
Inner Contact Resistance	0.80	MilliOhms
Outer Contact Resistance	1.50	MilliOhms
3rd Order IM, Product Typical @ 910 MHz, -dBm	120	
3rd Order IM Test Method	Two +43 dBm Carriers	
Insulation Resistance, min, MOhms	5,000	Connector Limited
Shielding Effectiveness, dB	-110	
Nominal Impedence, Ohms	50	
Cable Impedence, Ohms	50	
Insertion Loss, max, dB	0.05 $\sqrt{\text{frequency(GHz)}}$	
Connector Return Loss, dB 0 - 2.2 GHz	35	

#### Mechanical

Inner Attachment Method	Solder
Outer Attachment Method	Solder
Connector Weight, kg (lb)	0.100 (0.220)
Pressurizable	No
Coupling Nut Retention Force, N (lb)	1,000.0 (224.8)
Minimum Coupling Nut Torque, N-m (lb-in)	25.0 (221.3)
Insertion Force, N (lb)	100.0 (22.5)
Minimum Connector Retention Tensile Force, N (lb)	445.0 (100.0)
Minimum Connector Retention Torque, N-m (lb-in)	1.4 (12.4)
Attachment Durability	Not Applicable
Interface Durability (Number of cycles)	500

#### Environmental

Moisture Resistance Test	MIL-STD-202F, Method 106F
Mechanical Shock Test	MIL-STD-202F, Method 213B, Test Cond. C
Corrosion Test	MIL-STD-1344A, Method 1001.1, Test Cond. A
Thermal Shock Test	MIL-STD-202F, Method 107G, Test Cond. A-1, Low Temp-55°C
Vibration Test	MIL-STD-202F, Method 204D, Test Condition B
Operating Temperature Range, °C	-55 to 85
Storage Temperature Range, °C	-70 to 100
Immersion Test, unmated connectors	IEC 529:1989, IP68
Immersion Depth, m	2.50
Water Jetting Test, unmated connectors	IEC 529:1989, IP66

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