

Product Specifications



F4PDF-C

7-16 DIN Female for 1/2 in FSJ4-50B cable



CHARACTERISTICS

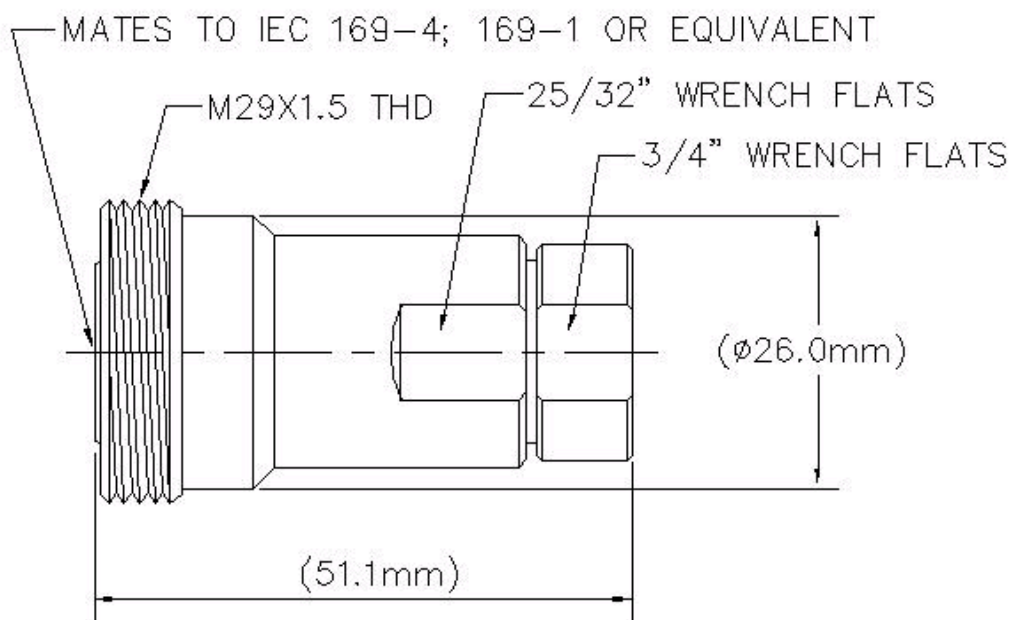
General Specifications

Interface	7-16 DIN Female
Body Style	Straight
Mounting Angle	Straight

Electrical Specifications

Operating Frequency Band	0 – 7500 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	1.0 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	2500 V
Inner Contact Resistance	0.80 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	1.50 mOhm
Peak Power, maximum	15.60 kW
RF Operating Voltage, maximum (vrms)	884.00 V
Shielding Effectiveness	-110 dB
3rd Order IMD	-120 dBm @ 910 MHz

Outline Drawing



Mechanical Specifications

Outer Contact Attachment Method	Self-flare
Attachment Durability	25 cycles
Connector Retention Tensile Force	200 lbf 890 N
Connector Retention Torque	48 in lb 5 N·m
Inner Contact Attachment Method	Captivated
Insertion Force	45.00 lbf 200.17 N
Insertion Force Method	IEC 169-1:15.2.4
Interface Durability	500 cycles
Interface Durability Method	IEC 169-4:9.5
Pressurizable	No

Dimensions

Nominal Size	1/2 in
Diameter, maximum	1.10 in 27.99 mm
Length	1.97 in 50.01 mm
Weight	150.00 g 0.33 lb

Environmental Specifications

Corrosion Test Method	MIL-STD-1344A, Method 1001.1, Test Condition A
Immersion Depth	1 m
Immersion Test Mating	Mated

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Immersion Test Method	IEC 529:1989, IP68
Mechanical Shock Test Method	MIL-STD-202F, Method 213B, Test Condition C
Moisture Resistance Test Method	MIL-STD-202F, Method 106F
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Thermal Shock Test Method	MIL-STD-202, Method 107, Test Condition A-1, Low Temperature -55 °C
Vibration Test Method	MIL-STD-202F, Method 204D, Test Condition B
Water Jetting Test Mating	Mated
Water Jetting Test Method	IEC 529:1989, IP66

Standard Conditions

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F

Return Loss

Frequency Band	Return Loss (dB)
0–1000 MHz	39.00
1000–2000 MHz	38.00
2000–2300 MHz	37.00
2300–4000 MHz	25.00

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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