

Product Specifications



F4PDR-C

7-16 DIN Male Right Angle for 1/2 in FSJ4-50B cable

CHARACTERISTICS

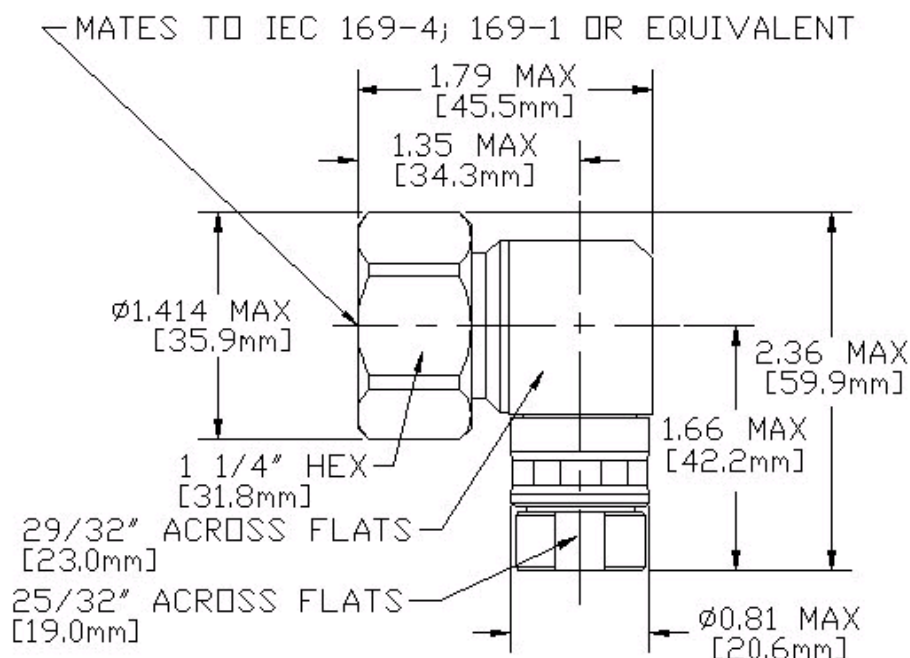
General Specifications

Interface	7-16 DIN Male
Body Style	Right angle
Mounting Angle	Right angle

Electrical Specifications

Operating Frequency Band	0 – 5200 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	Crush-flare
Attachment Durability	25 cycles
Connector Retention Tensile Force	200 lbf 890 N
Connector Retention Torque	48 in lb 5 N·m
Coupling Nut Proof Torque	220.00 in lb 24.86 N·m
Coupling Nut Retention Force	225.00 lbf 1000.85 N
Coupling Nut Retention Force Method	MIL-C-39012C-3.25, 4.6.22
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	1.59 in 40.34 mm
Length	2.40 in 60.96 mm
Right Angle Length	1.80 in 45.72 mm
Weight	207.36 g 0.46 lb
Width	1.25 in 31.75 mm

Product Specifications



Environmental Specifications

Corrosion Test Method	MIL-STD-1344A, Method 1001.1, Test Condition A
Immersion Depth	1 m
Immersion Test Mating	Mated
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	IEC 68, Part 2-6
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)
0–9600 MHz	40.00
1.7–2.3 GHz	28.00
960–1700 MHz	35.00
2300–3000 MHz	23.00

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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