

Product Specifications



F4PNF-C

Type N Female for 1/2 in FSJ4-50B cable

CHARACTERISTICS

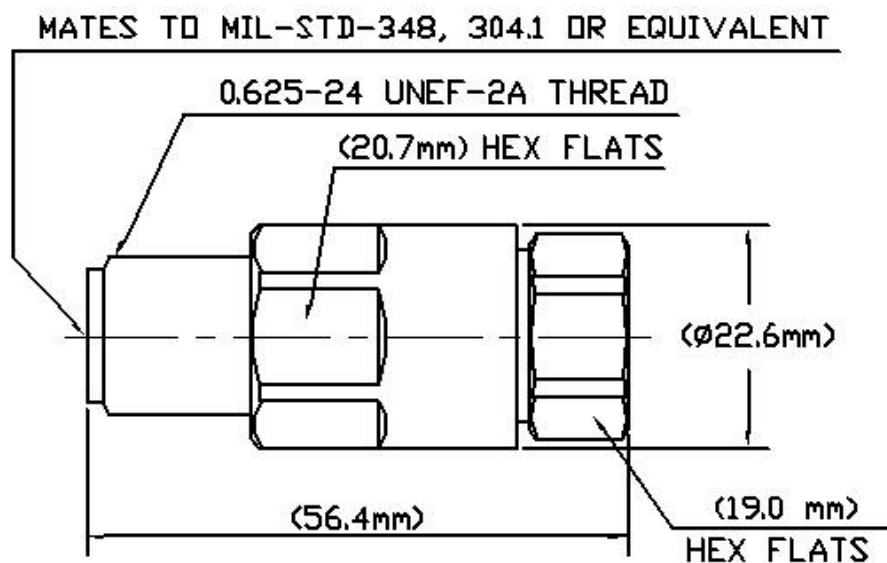
General Specifications

Interface	N Female
Body Style	Straight
Mounting Angle	Straight

Electrical Specifications

Operating Frequency Band	0 – 12000 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	0.6 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	2000 V
Inner Contact Resistance	0.30 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	2.00 mOhm
Peak Power, maximum	10.00 kW
RF Operating Voltage, maximum (vrms)	707.00 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	15.00 lbf 66.72 N
Insertion Force Method	MIL-C-39012C-3.12, 4.6.9
Interface Durability	500 cycles
Interface Durability Method	IEC 169-16:9.5
Pressurizable	No

Dimensions

Nominal Size	1/2 in
Diameter, maximum	0.87 in 22.00 mm
Length	2.09 in 53.01 mm
Weight	95.26 g 0.21 lb

Environmental Specifications

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

Product Specifications



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	36.00
1000–2300 MHz	32.00
2300–3000 MHz	29.00
3000–4000 MHz	22.00
4000–8000 MHz	16.00
8000–10200 MHz	14.00

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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