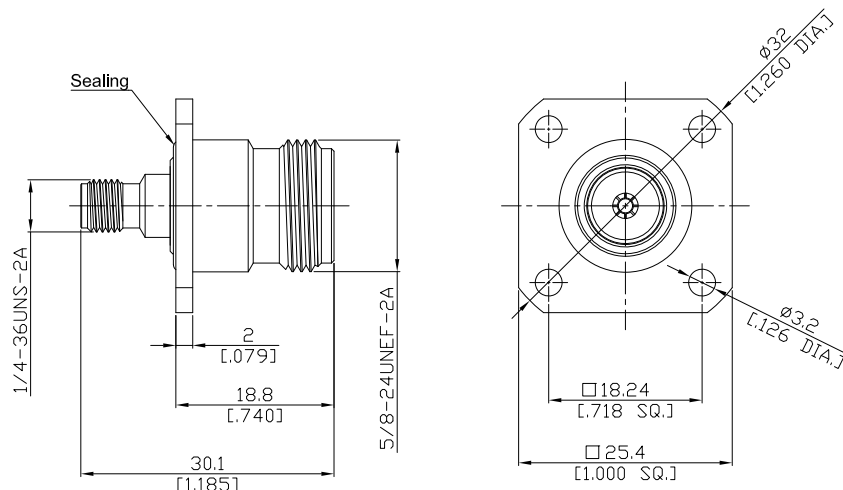




SMA Jack (Female) to N Jack (Female) Panel 4 Hole Flange Mount Adapter
DC-11GHz VSWR1.15

AD-A2N25A-PF / 91-93



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Mechanically compatible with
According to

SMA Side
1.85mm
IEC 61169-40,

N Side
3.5mm and SMA
IEC 61169-35

Electrical Data

Impedance 50 Ω
Frequency DC to 11 GHz
VSWR (Return Loss) ≤ 1.15 (≥ 23.13 dB)
Insertion Loss $\leq 0.03 \times \sqrt{f}$ (GHz) dB
Insulation Resistance ≥ 5 G Ω
Center Contact Resistance ≤ 3 m Ω , SMA side
Outer Contact Resistance ≤ 2 m Ω , SMA side
Test Voltage 1000 V rms
Working Voltage 480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0) ≤ 200 W @ 2 GHz
RF-Leakage ≥ 100 dB up to 1 GHz

≤ 1 m Ω , N side
 ≤ 0.25 m Ω , N side

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator	PTFE	
Piece Parts (N)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Nickel
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:
Date:
12/7/2020

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Mechanical Data

	SMA Side	N Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Center Contact Captivation axial	≥ 28 N	≥ 28 N
Coupling Test Torque	1.7 Nm max.	1.70 Nm max.
Recommended Torque	0.9 Nm	1.36 Nm

Environmental Data

Temperature Range	-55°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Weight

N/A

Packing

Single or 100