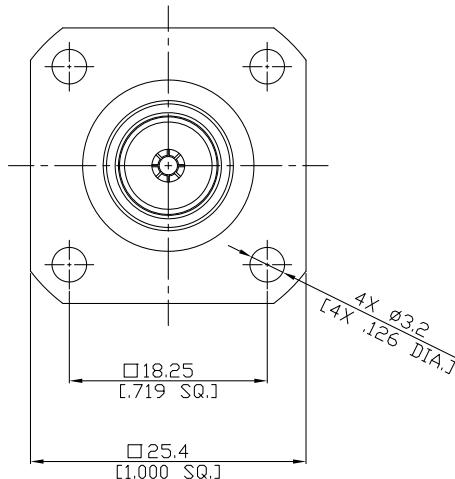
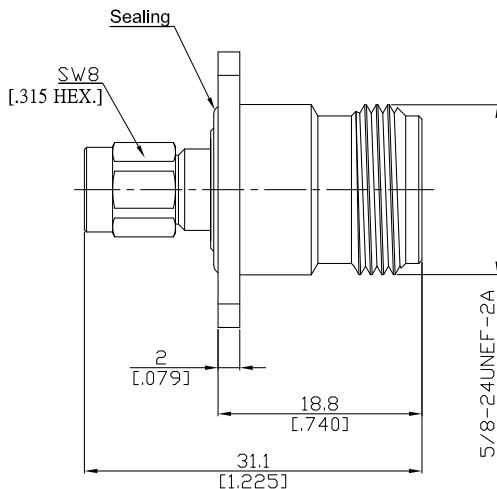


SMA male (male) / N jack (female)
Panel 4 Hole Flange Mount Adapter, DC-11 GHz, VSWR \leq 1.15

AD-A1N25A-PF / H11-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

IEC 60169-15; MIL-STD-348B/310

N according to

IEC 60169-16; MIL-STD-348B/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

\leq 1.15 (\geq 23.1 dB)

Insertion loss

\leq 0.04 \times \sqrt{F} (GHz) dB

Insulation resistance

\geq 5 G Ω

Center contact resistance

\leq 3 m Ω , SMA side

\leq 1 m Ω , N side

Outer contact resistance

\leq 2 m Ω , SMA side

\leq 0.25 m Ω , N side

Test voltage

1000 V rms

Working voltage

480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

\leq 200 W @ 2 GHz

RF-leakage

\geq 100 dB up to 1 GHz

Material And Plating

Piece Parts (SMA)

Material

Plating

Centre contact

Phosphor Bronze

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

Gasket

Silicone Rubber

Coupling nut

Brass

Gold plating, 3 μ inch

(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Piece Parts (N)

Material

Plating

Centre contact

Brass

Gold plating, 3 μ inch

(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Body

Brass

Copper-Tin-Zinc Alloy

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Copper-Tin-Zinc Alloy

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:

JUL/16/2021

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Page

1/2

SMA male (male) / N jack (female)
Panel 4 Hole Flange Mount Adapter, DC-11 GHz, VSWR ≤ 1.15

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Mechanical Data

Coupling mechanisms	SMA Side	N Side
Mating Cycles	Screw-lock	Screw-lock
Coupling nut retention	≥ 500	≥ 500
Center Contact Captivation axial	≥ 270 N	≥ 450N
Coupling Test Torque	≥ 28 N	≥ 28 N
Recommended Torque	1.7 Nm max.	1.70 Nm max.
	0.8 Nm to 1.1 Nm	0.7 Nm to 1.1 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