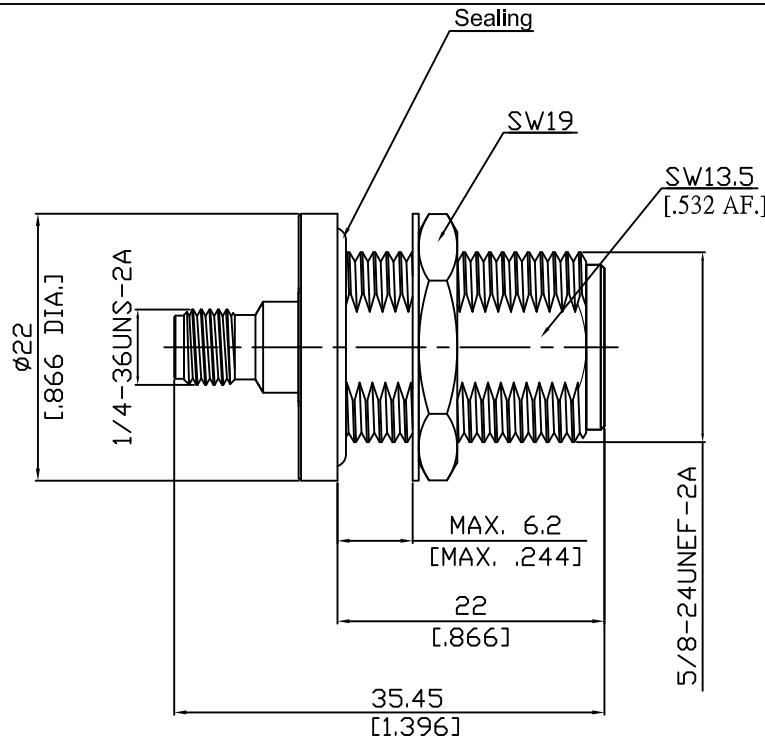


# SMA jack (female) / Precision N jack (female) Bulkhead adaptor

## DC-18GHz VSWR 1.15

### AD-A2PCN25A-BH / 9X-9X



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 18 GHz

VSWR (Return Loss)

≥ 1.15 (≥ 23 dB)

Insertion loss

≤ 0.1 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Test voltage (at sea level)

1000 V rms

Working voltage (at sea level)

480 V rms

RF-leakage

≥ 90 dB up to 1 GHz

#### Material And Plating

##### Piece Parts (SMA)

##### Material

##### Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

##### Piece Parts (N)

##### Material

##### Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

Gasket

Silicone Rubber

Fastening nut

Stainless Steel

Passivated

Washer

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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N-CAGE Code: SFKK0 / ISO9001 Certified

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DC-18GHz VSWR 1.15

## AD-A2PCN25A-BH / 9X-9X

## Mechanical Data

Coupling mechanisms	SMA side	Precision N side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation	≥ 500	≥ 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	1.70 Nm	1.70 Nm
	0.80 Nm to 1.10 Nm	0.70 Nm to 1.10 Nm

## Environmental Data

Temperature Range	-65°C to +125°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

## Packing

Single or 100