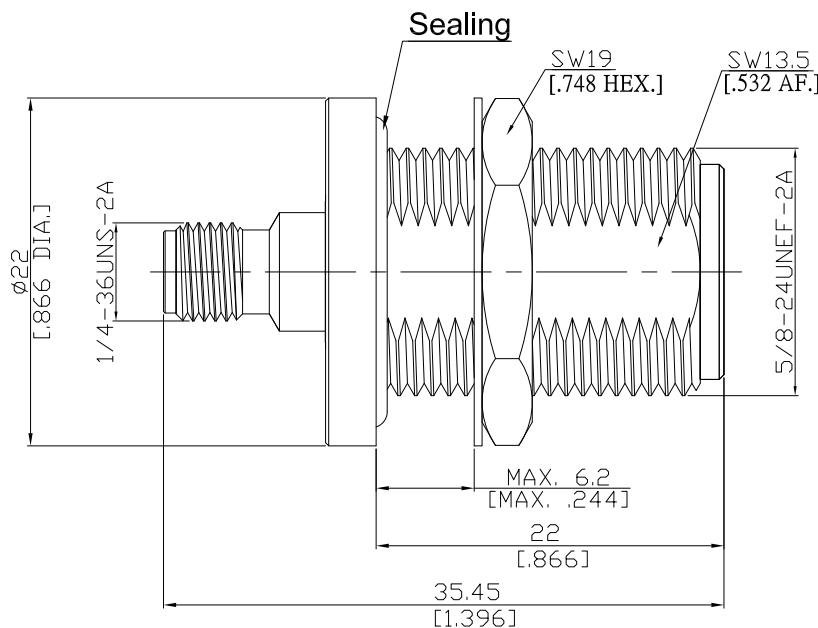


SMA jack (female) / N jack (female) Bulkhead adaptor jack/jack
DC-11GHz VSWR 1.20

AD-A2N25A-BH / 93-93



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)

≤ 1.20 (≥ 20.8 dB)

Insertion Loss

≤ 0.03 x √f (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ, SMA side

≤ 1 mΩ, N side

Outer contact resistance

≤ 2 mΩ, SMA side

≤ 0.25 mΩ, N 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

Material And Plating

Piece Parts (SMA)

Material

Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

Body

Brass

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

Insulator

PTFE

Nickel

Piece Parts (N)

Material

Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

Body

Brass

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

Insulator

PTFE

Nickel

Gasket

Silicone Rubber

Fastening nut

Brass

Nickel

Washer

Brass

Nickel

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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SMA jack (female) / N jack (female) Bulkhead adaptor jack/jack
DC-11GHz VSWR 1.20

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Mechanical Data

Coupling mechanisms	SMA side	N side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	max. 1.7 Nm	max. 1.7 Nm
	0.7 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, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100