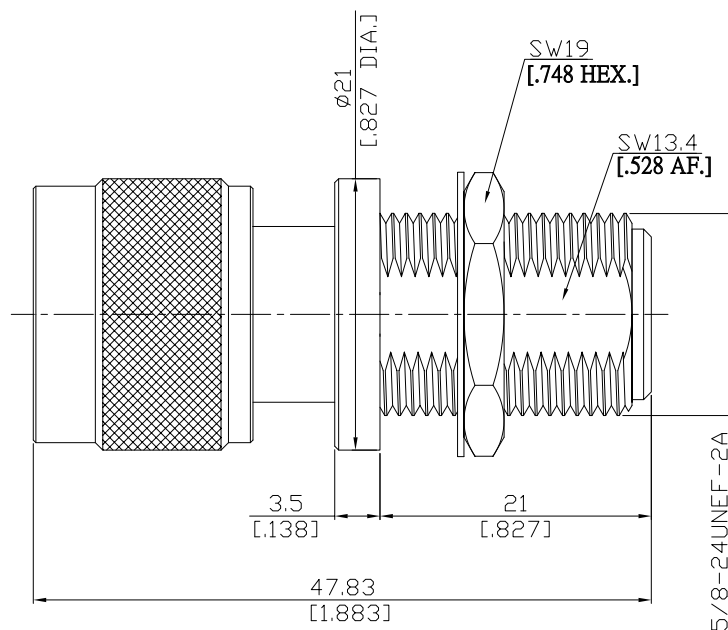


N Snap-On Plug (Male) to N Jack (Female) Bulkhead Adapter
DC-11GHz, VSWR ≤ 1.20

AD-NQ1N25A-BH / 944-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-16; MIL-STD 348B/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.8 dB)

Insertion Loss

≤ 0.04 × √F (GHz) dB

Insulation resistance

≥ 5 × 10³ MΩ

Center contact resistance

≤ 1 mΩ

Outer contact resistance

≤ 0.25 mΩ

Working voltage

500 V rms

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

1000 W @ 1 GHz

700 W @ 2 GHz

RF-leakage

≥ 128 dB up to 1 GHz

Intermodulation (3rd order)

≤ -115 dBm @ 2 × 20 W

Material And Plating

Piece Parts (N Snap-On)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
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

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

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DC-11GHz, VSWR ≤ 1.20

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Mechanical Data

	N side	N side
Coupling mechanisms	Snap-on	Screw-lock
Mating cycles	min. 500	min. 500
Coupling nut retention	≥ 450 N	≥ 450 N
Center contact captivation: axial	≥ 28 N	≥ 28 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°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. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
Degree of protection (mated pair)	IEC 60529, IP67
RoHS	compliant

Packing

Single or 100