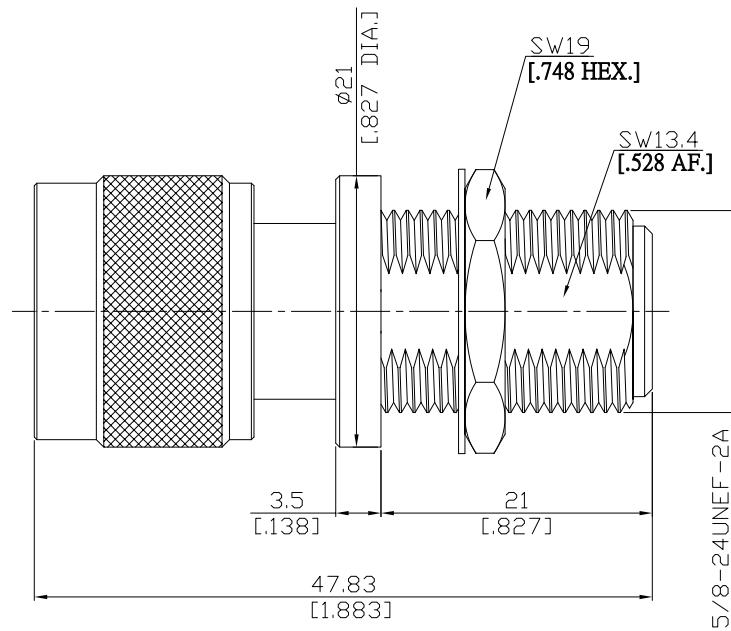


N Snap-On Plug (Male) to N Jack (Female) Bulkhead Adapter
DC-11GHz, VSWR \leq 1.20

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)	\leq 1.20 (\geq 20.8 dB)
Insertion loss	\leq 0.04 $\times \sqrt{F}$ (GHz) dB
Insulation resistance	\geq 5 $\times 10^3$ M Ω
Center contact resistance	\leq 1 m Ω
Outer contact resistance	\leq 0.25 m Ω
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz
RF-leakage	\geq 128 dB up to 1 GHz
Intermodulation (3 rd order)	\leq -115 dBm @ 2 x 20 W

Material And Plating

Piece Parts (N Snap-On)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
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 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
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

Page

1/2

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DC-11GHz, VSWR ≤ 1.20

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Mechanical Data

Coupling mechanisms	N side	N side
Mating cycles	Snap-on	Screw-lock
Coupling nut retention	min. 500	min. 500
Center contact captivation: axial	≥ 450 N	≥ 450 N
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	-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