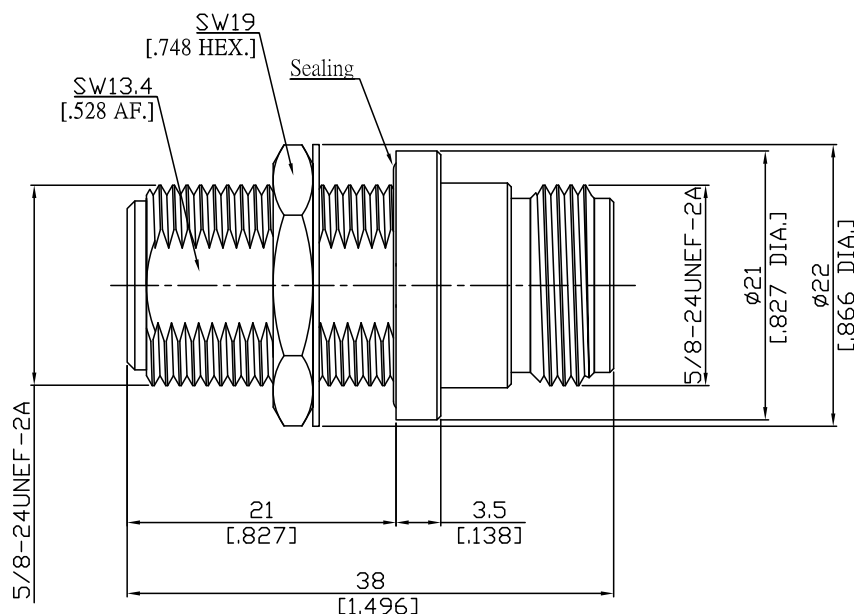


N jack (female) / N jack (female) Bulkhead Adaptor
DC-12 GHz, VSWR ≤ 1.20

AD-N2N25A-BH / 90-90



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

IEC 61169-8; MIL-STD-348B/301

Electrical Data

Impedance

 $50\ \Omega$

Frequency

DC to 12 GHz

VSWR (Return Loss)

 ≤ 1.20 (≥ 20.8 dB)

Insertion Loss

$$\leq 0.1 \times \sqrt{F} \text{ (GHz) dB}$$

Insulation resistance

 $\geq 5 \text{ G}\Omega$

Center contact resistance

 $\leq 1 \text{ m}\Omega$

Outer contact resistance

 $\leq 0.25 \text{ m}\Omega$

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

 $\geq 128 \text{ dB @ DC to 1 GHz}$

Material And Plating

Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Silver
Insulator	PTFE	
Gasket	Silicone Rubber	
Fastening nut	Brass	Nickel
Washer	Brass	Nickel
Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Silver
Insulator	PTFE	

N jack (female) / N jack (female) Bulkhead Adaptor
DC-12 GHz, VSWR ≤ 1.20

AD-N2N25A-BH / 9X-9X

Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Center contact captivation: axial	≥ 28 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	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, Method 106
RoHS	compliant

Packing

Single or 100