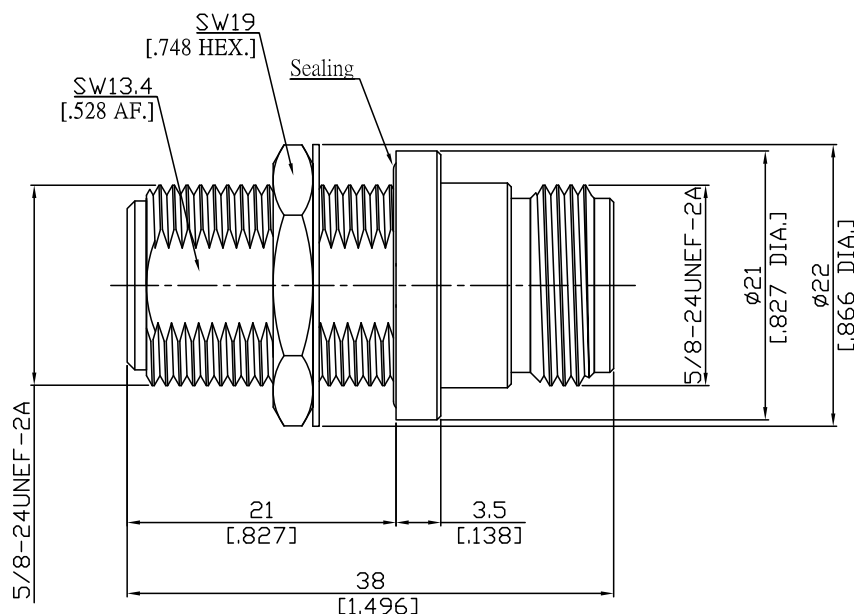


N jack (female) / N jack (female) Bulkhead Adaptor  
DC-12 GHz, VSWR ≤ 1.20

**AD-N2N25A-BH / H4-H4**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

according to

IEC 61169-8; MIL-C-39012; MIL-STD-348B/301

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 12 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.1 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

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 @ DC to 1 GHz

**Material And Plating**

| Piece Parts (N) | Material        | Plating                                                                          |
|-----------------|-----------------|----------------------------------------------------------------------------------|
| Centre contact  | Phosphor Bronze | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body            | Brass           | Copper-Tin-Zinc Alloy                                                            |
| Insulator       | PTFE            |                                                                                  |
| Gasket          | Silicone Rubber |                                                                                  |
| Fastening nut   | Brass           | Copper-Tin-Zinc Alloy                                                            |
| Washer          | Brass           | Copper-Tin-Zinc Alloy                                                            |
| Piece Parts (N) | Material        | Plating                                                                          |
| Centre contact  | Phosphor Bronze | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body            | Brass           | Copper-Tin-Zinc Alloy                                                            |
| Insulator       | PTFE            |                                                                                  |

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

**AD-N2N25A-BH / H4-H4**

**Mechanical Data**

|                                   |                  |
|-----------------------------------|------------------|
| Coupling mechanisms               | Screw-lock       |
| Mating cycles                     | ≥ 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