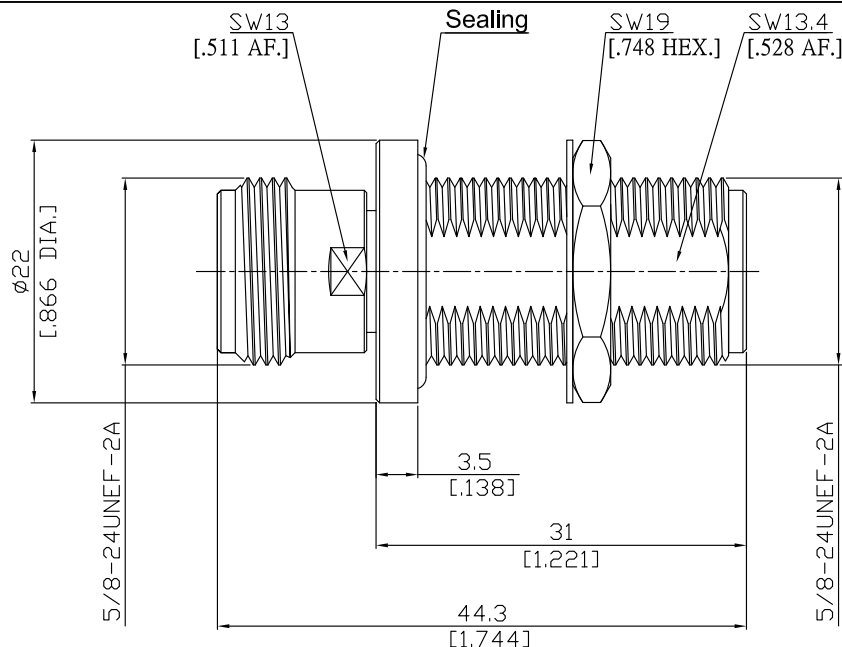


Precision N jack (female) / Precision N jack (female) Bulkhead Adaptor  
DC-18 GHz, VSWR ≤ 1.30

**AD-PCN2PCN25A-BH / 94-94**



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 Ω                 |
| Frequency                 | DC to 18 GHz         |
| VSWR (Return Loss)        | ≤ 1.30 (> 17.69 dB)  |
| Insertion Loss            | ≤ 0.05 x √F (GHz) dB |
| Insulation resistance     | ≥ 5 GΩ               |
| Center contact resistance | ≤ 1 mΩ               |
| Outer contact resistance  | ≤ 1 mΩ               |
| Working voltage           | 1000 V rms           |
| Test voltage              | 2500 V rms           |
| RF-leakage                | ≥ 90 dB up to 1 GHz  |

**Material And Plating**

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

Precision N jack (female) / Precision N jack (female) Bulkhead Adaptor  
DC-18 GHz, VSWR ≤ 1.30

## AD-PCN2PCN25A-BH / 94-94

### Mechanical Data

|                                   |                   |
|-----------------------------------|-------------------|
| Coupling mechanisms               | Screw-lock        |
| Mating cycles                     | ≥ 500             |
| Center contact captivation: axial | ≥ 28 N            |
| Coupling test torque              | ≤ 1.7 Nm          |
| Recommended torque                | 0.70 Nm to 1.0 Nm |

### Environmental Data

|                     |                               |
|---------------------|-------------------------------|
| Temperature Range   | -65°C to +165°C               |
| Thermal shock       | IEC 61169-1, Subclause 9.4.4  |
| Corrosion           | IEC 61169-1, Subclause 9.4.6  |
| Vibration           | IEC 61169-1, Subclause 9.3.3  |
| Shock               | IEC 61169-1, Subclause 9.3.14 |
| Moisture resistance | IEC 61169-1, Subclause 9.4.3  |
| RoHS                | compliant                     |

### Packing

Single or 100