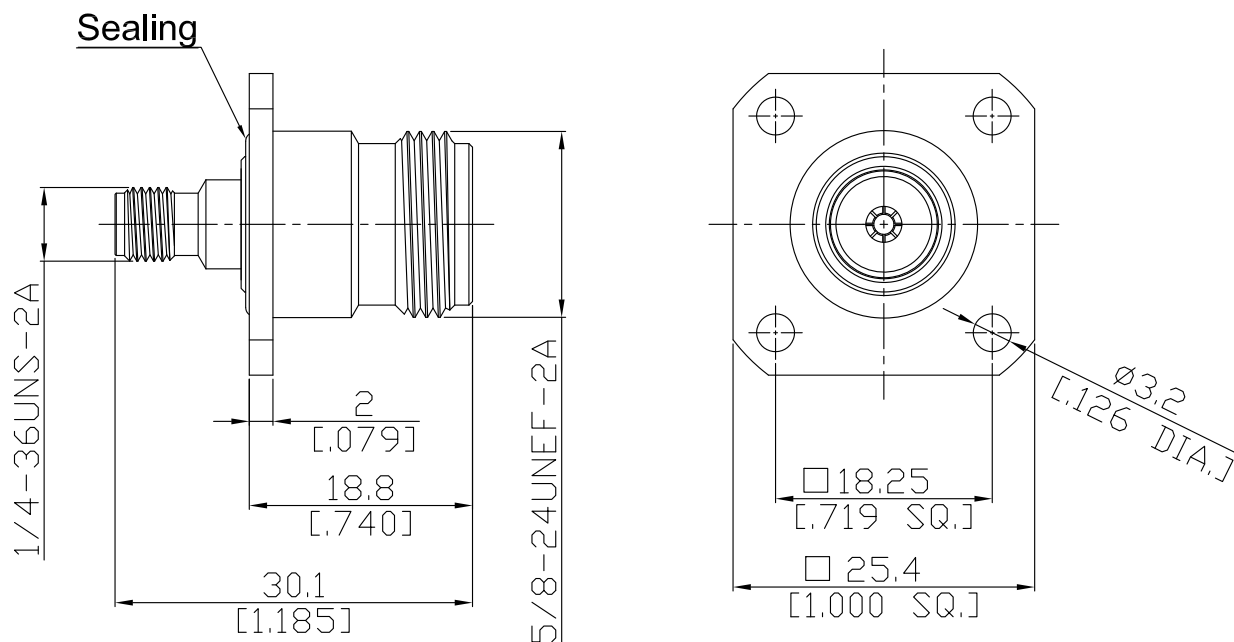


SMA jack (female)/Precision N jack(female)  
4 Hole Panel Flange Adaptor, DC-18 GHz, VSWR ≤ 1.2

## AD-A2PCN25A-PF / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

SMA according to

IEC 60169-15; MIL-STD-348B/310

Precision N according to

IEC 61169-16; MIL-STD-348B/402

### Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.2 (≥ 20.83 dB)

Insertion loss

≤ 0.04 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Test voltage (at sea level)

1000 V rms

Working voltage (at sea level)

480 V rms

RF-leakage

≥ 90 dB up to 1 GHz

### Material And Plating

| Piece Parts (SMA)         | Material         | Plating                                                                          |
|---------------------------|------------------|----------------------------------------------------------------------------------|
| Centre contact            | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body                      | Stainless Steel  | Passivated                                                                       |
| Insulator                 | PTFE             |                                                                                  |
| Piece Parts (Precision N) | Material         | Plating                                                                          |
| Centre contact            | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body                      | Stainless Steel  | Passivated                                                                       |
| Insulator                 | PTFE             |                                                                                  |
| Gasket                    | Silicone Rubber  |                                                                                  |

SMA jack (female)/Precision N jack(female)  
4 Hole Panel Flange Adaptor, DC-18 GHz, VSWR ≤ 1.2

# AD-A2PCN25A-PF / 9X-9X

## Mechanical Data

|                                   | SMA side           | Precision N side   |
|-----------------------------------|--------------------|--------------------|
| Coupling mechanisms               | Screw-lock         | Screw-lock         |
| Mating cycles                     | min. 500           | min. 500           |
| Center contact captivation: axial | ≥ 28 N             | ≥ 28 N             |
| Coupling test torque              | max. 1.7 Nm        | max. 1.7 Nm        |
| Recommended torque                | 0.80 Nm to 1.10 Nm | 0.70 Nm to 1.10 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