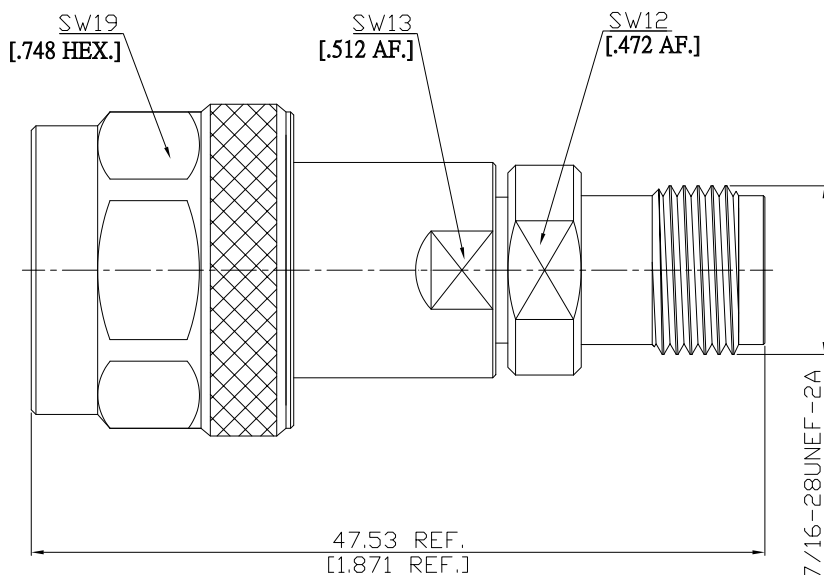


Precision N Plug (Male) to Precision TNC Jack (Female)  
Straight Adaptor DC-18 GHz VSWR ≤ 1.15

**AD-PCN1PCT25A / 933-93**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

Precision N according to

IEC 60169-16; MIL-STD 348B/402

Precision TNC according to

IEC 60169-26

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.1 × √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1.0 mΩ, Precision N Side

≤ 1.5 mΩ, Precision TNC Side

Outer Contact Resistance

≤ 1.0 mΩ, Precision N Side

≤ 1.0 mΩ, Precision TNC Side

Test Voltage (at sea level)

1500 V rms

Working Voltage (at sea level)

500 V rms

**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            | Nickel                                                                           |
| Insulator                   | PS               |                                                                                  |
| Gasket                      | Silicone Rubber  |                                                                                  |
| Coupling Nut                | Brass            | Nickel                                                                           |
| Piece Parts (Precision TNC) | Material         | Plating                                                                          |
| Centre Contact              | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body                        | Brass            | Nickel                                                                           |
| Insulator                   | PTFE             |                                                                                  |

Precision N Plug (Male) to Precision TNC Jack (Female)  
Straight Adaptor DC-18 GHz VSWR ≤ 1.15

**AD-PCN1PCT25A / 933-93**

**Mechanical Data**

|                                   | Precision N Side | Precision TNC Side |
|-----------------------------------|------------------|--------------------|
| Coupling mechanisms               | Screw-lock       | Screw-lock         |
| Mating Cycles                     | ≥ 500            | ≥ 500              |
| Coupling Nut Retention            | N/A              | N/A                |
| Center Contact Captivation: axial | ≥ 27 N           | ≥ 27 N             |
| Coupling Test Torque              | 1.7 Nm max.      | 1.7 Nm max.        |
| Recommended Torque                | 1.35 Nm          | 1.35 Nm            |

**Environmental Data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature Range   | -60°C to +100°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. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture Resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Packing**

Single or 100