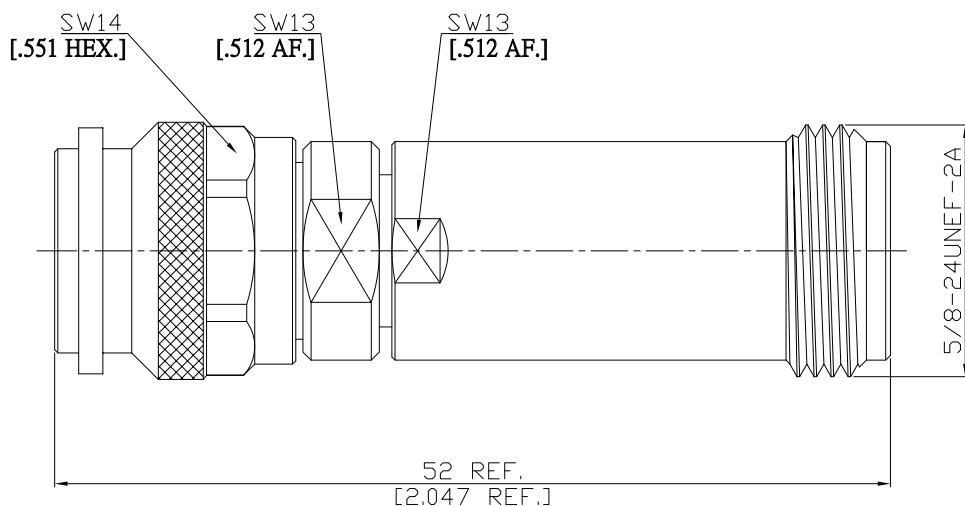


Precision TNC Plug (Male) to Precision N Jack (Female) Adapter
 DC-18GHz VSWR 1.15

AD-PCT1PCN25A/9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

 Precision TNC Side
 IEC 60169-26

 Precision N Side
 IEC 60169-16; MIL-STD 348B/402

Electrical Data

| | |
|--------------------------------|------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 18 GHz |
| VSWR (Return Loss) | ≤ 1.15 (≥ 23.13 dB) |
| Insertion Loss | ≤ 0.1 x √F (GHz) dB |
| Insulation Resistance | ≥ 5 GΩ |
| Center Contact Resistance | ≤ 1.5 mΩ, Precision TNC Side |
| Outer Contact Resistance | ≤ 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 TNC) | Material | Plating |
|-----------------------------|------------------|--|
| Centre contact | Beryllium Copper | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Stainless Steel | Passivated |
| Insulator | PTFE | |
| Gasket | Silicone rubber | |
| Coupling nut | Stainless Steel | Passivated |

| Piece Parts (Precision N) | Material | Plating |
|---------------------------|------------------|--|
| Centre contact | Beryllium Copper | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Stainless Steel | Passivated |
| Insulator | PS | |

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

AD-PCT1PCN25A/9XX-9X

Mechanical Data

| | Precision TNC Side | Precision N Side |
|-----------------------------------|--------------------|------------------|
| Coupling mechanisms | Screw-lock | Screw-lock |
| Mating Cycles | ≥ 500 | ≥ 500 |
| Coupling Nut Retention | ≥ 445 N | N/A |
| Center Contact Captivation: axial | ≥ 27 N | ≥ 27 N |
| Weight | 0.0427 kg | |
| 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