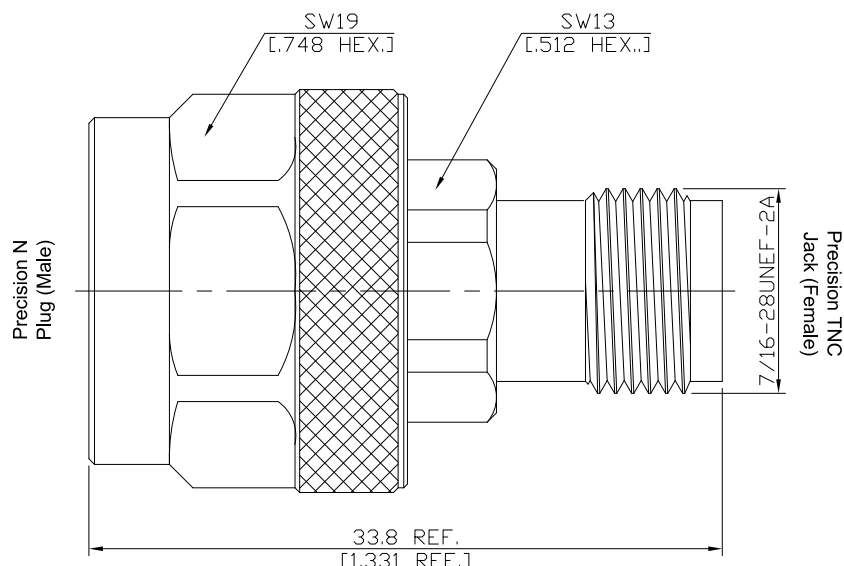


Precision N Plug (Male) to Precision TNC Jack (Female)
Straight Adaptor DC-18 GHz VSWR ≤ 1.2

AD-PCN1PCT25B / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Precision N according to

IEC 61169-16; MIL-STD 348B/402; IEEE Std 287; MIL-PRF-39012

Precision TNC according to

IEC 61169-26; CECC 22 200; MIL-PRF-39012; MIL-STD-348B/406

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.2 (≥ 20.83 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

≤ 0.25 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

Power handling (at 20 °C, sea level, VSWR 1.0)

80 W @ 2 GHz

Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts (Precision TNC)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

Precision N Plug (Male) to Precision TNC Jack (Female)
Straight Adaptor DC-18 GHz VSWR ≤ 1.2

AD-PCN1PCT25B / 9XX-9X

Mechanical Data

Coupling mechanisms

Mating Cycles

Center Contact Captivation: axial

Coupling Test Torque

Recommended Torque

Precision N Side

Screw-lock

≥ 500

≥ 28 N

1.7 Nm max.

0.7 Nm to 1.1 Nm

Precision TNC Side

Screw-lock

≥ 500

≥ 28 N

1.7 Nm max.

0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range

Thermal shock

Corrosion

Vibration

Shock

Moisture Resistance

RoHS

-65°C to +165°C

MIL-STD-202, Meth. 107, Cond. B

MIL-STD-202, Meth. 101, Cond. B

MIL-STD-202, Meth. 204, Cond. B

MIL-STD-202, Meth. 213, Cond. G

MIL-STD-202, Meth. 106

compliant

Packing

Single or 100