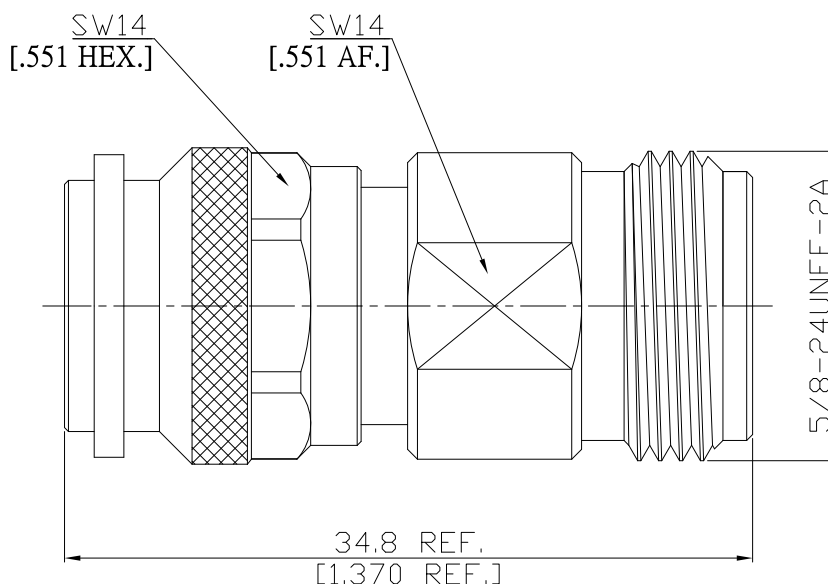


Precision TNC Plug (Male) to Precision N Jack (Female)
Straight Adaptor DC-18 GHz VSWR ≤ 1.2

AD-PCT1PCN25B / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Precision TNC according to

IEC 61169-17;CECC 22 200;MIL-PRF-39012;TNC-Interface MIL-STD-348/313

Precision N according to

IEC 60169-16;MIL-STD-348/304;CECC 22 210

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.2 (≥ 20.83 dB)

Insertion Loss

≤ 0.1 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1.5 mΩ, Precision TNC Side

≤ 1.0 mΩ, Precision N Side

Outer Contact Resistance

≤ 1.0 mΩ, Precision TNC Side

≤ 0.25 mΩ, Precision N 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 TNC)	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 N)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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

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Mechanical Data

Coupling mechanisms	Precision TNC Side	Precision N Side
Mating Cycles	Screw-lock	Screw-lock
Center Contact Captivation: axial	≥ 500	≥ 500
Coupling Test Torque	≥ 28 N	≥ 28 N
Recommended Torque	1.7 Nm max.	1.7 Nm max.
	0.46 Nm to 0.69 Nm	0.70 Nm to 1.10 Nm

Environmental Data

Temperature Range	-40°C to +85°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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100