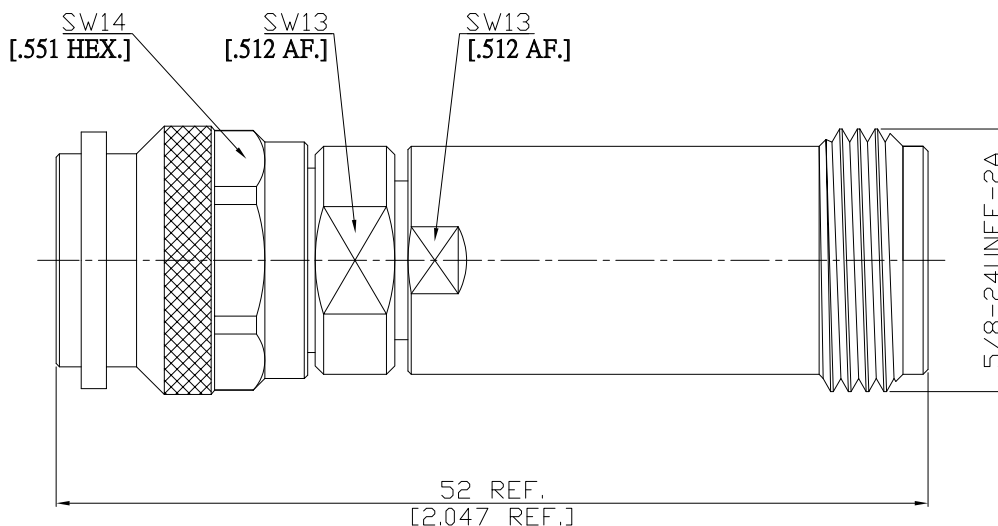


Precision TNC Plug (Male) to Precision N Jack (Female) Adapter
DC-18GHz VSWR 1.15

AD-PCT1PCN25A / 9X4-9X



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-348B/304;CECC 22210

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion loss

$\leq 0.1 \times \sqrt{F}$ (GHz) dB

Insulation resistance

≥ 5 G Ω

Center contact resistance

≤ 1.5 m Ω , Precision TNC side;

≤ 1 m Ω , Precision N side

Outer contact resistance

≤ 1 m Ω , Precision TNC side;

≤ 1 m Ω , Precision N side

Test voltage

1500 V rms

Working voltage

500 V rms

RF-leakage

≥ 90 dB up to 1 GHz

Material And Plating

Piece Parts (Precision TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 100 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (Precision N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 100 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Precision TNC side	Precision N side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	max. 1.7 Nm	max. 1.7 Nm
	0.46 Nm to 0.69 Nm	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-55°C to +155°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. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100