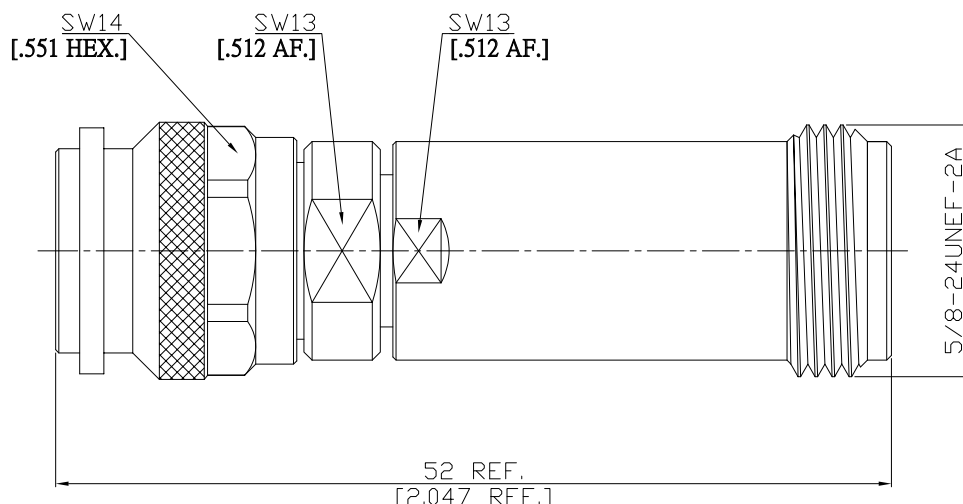


Precision TNC Plug (Male) to Precision N Jack (Female) Adapter
DC-18GHz VSWR 1.15

AD-PCT1PCN25A/933-93



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	$\leq 0.1 \times \sqrt{F}$ (GHz) dB
Insulation Resistance	≥ 5 G Ω
Center Contact Resistance	≤ 1.5 m Ω , Precision TNC Side
Outer Contact Resistance	≤ 1.0 m Ω , Precision TNC Side
Test Voltage (at sea level)	1500 V rms
Working Voltage (at sea level)	500 V rms

≤ 1.0 m Ω , Precision N Side
 ≤ 1.0 m Ω , Precision N Side

Material And Plating

Piece Parts (Precision TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PS	
Gasket	Silicone rubber	
Coupling nut	Brass	Nickel
Piece Parts (Precision N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PS	
Gasket	Silicone rubber	
Coupling nut	Brass	Nickel

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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