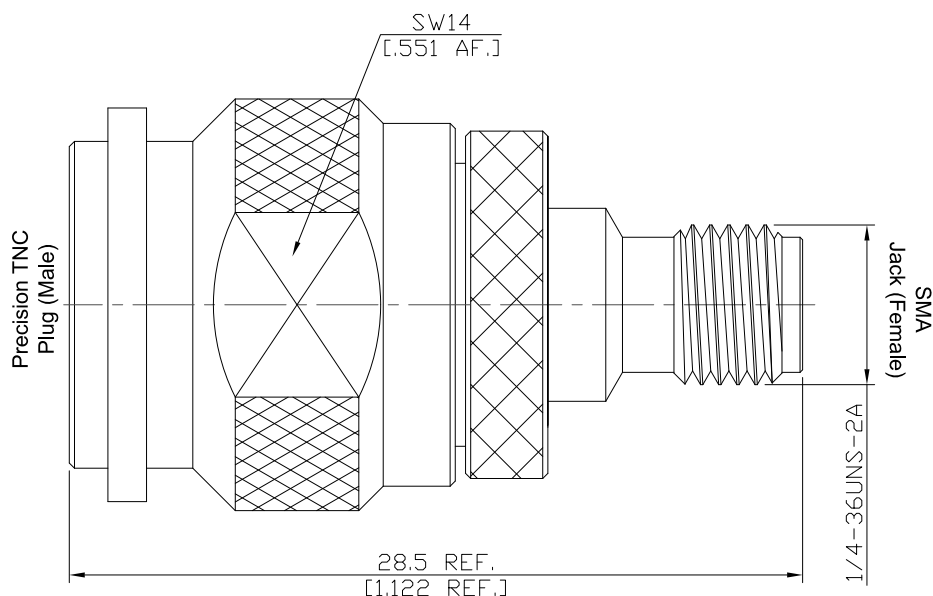


Precision TNC Plug (Male) to SMA Jack (Female), Straight Adapter,
DC - 18 GHz, VSWR 1.2

AD-PCT1A25B / 133-93



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Precision TNC Side According to
SMA Side According to

IEC 61169-26; CECC 22200; MIL-PRF-39012; MIL-STD-348B/406
IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.2 (≥ 17.69 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)	≤ 3 m Ω (SMA Side)
Outer Contact Resistance	≤ 1 m Ω (Precision TNC Side)	≤ 2 m Ω (SMA Side)
Test Voltage	1000 V rms	
Working Voltage	480 V rms	
RF-leakage	≥ 90 dB up to 1 GHz	

Material And Plating

Piece Parts (Precision TNC)	Material	Plating
Centre Contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Piece Parts (SMA)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	

Precision TNC Plug (Male) to SMA Jack (Female), Straight Adapter,
DC - 18 GHz, VSWR 1.2

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Mechanical Data

Coupling Mechanisms	Precision TNC Side	SMA Side
Mating Cycles	Screw-On	Screw-On
Center Contact Captivation	min. 500	min. 500
Coupling Test Torque	≥ 27 N	≥ 27 N
Recommended Torque	max. 1.7 Nm	max. 1.7 Nm
	0.46 Nm to 0.69 Nm	0.57 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Cond. B
Corrosion	MIL-STD-202, Method 101, Cond. B
Vibration	MIL-STD-202, Method 204, Cond. D
Shock	MIL-STD-202, Method 213, Cond. I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	Compliant

Packing

Single or 100