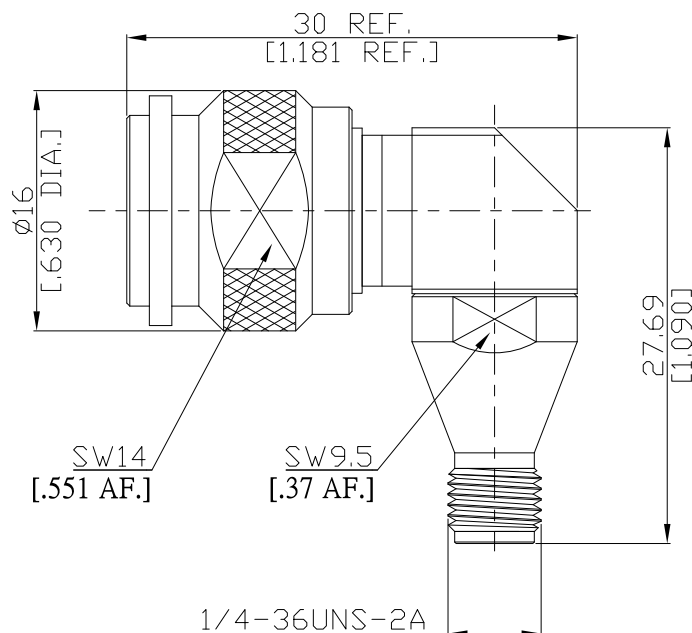


Precision TNC plug (male) to SMA jack (female) Miter Right Angle Adapter
DC-18GHz VSWR1.3

ASL-PCT1A25A / 933-93



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

SMA according to

IEC 60169-15; CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.3 (≥ 17.69 dB)

Insertion Loss

N/A

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1.5 mΩ, Precision TNC Side

≤ 3.0 mΩ, SMA Side

Outer Contact Resistance

≤ 1.0 mΩ, Precision TNC Side

≤ 2.0 mΩ, SMA Side

Test Voltage (at sea level)

1000 V rms

Working Voltage (at sea level)

480 V rms

Material And Plating

Piece Parts (Precision TNC)		Material	Plating
Centre contact		Beryllium Copper	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	

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Mechanical Data

	Precision TNC Side	SMA Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	≥ 500	≥ 500
Center Contact Captivation	≥ 27 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100