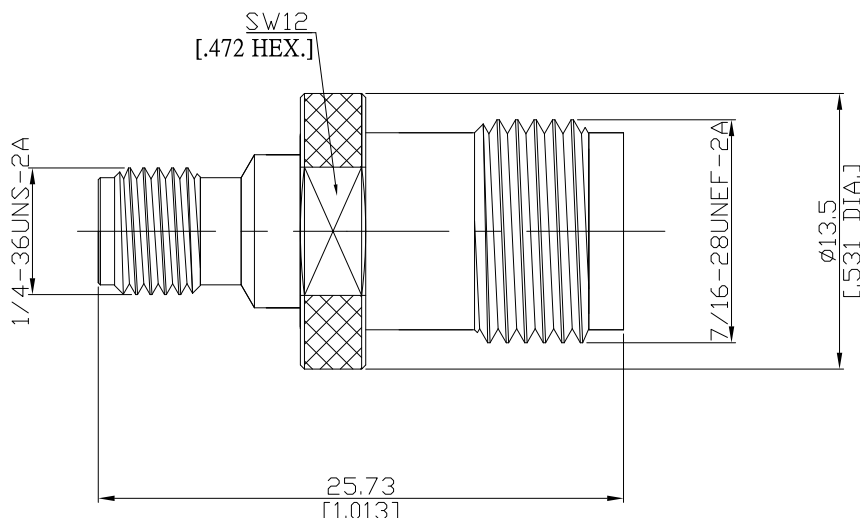


SMA jack (female) / Precision TNC jack (female)
Straight Adapter DC-11 GHz VSWR1.20

AD-A2PCT25B / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

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

Precision TNC according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.1x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ, SMA Side

≤ 1.5 mΩ, Precision TNC side

Outer Contact Resistance

≤ 2.0 mΩ, SMA Side

≤ 1 mΩ, Precision TNC side

Test Voltage

1000 V rms

Working Voltage

480 V rms

Material And Plating

Piece Parts (SMA)		Material	Plating
Centre contact		Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body		Stainless Steel	Passivated
Insulator		PTFE	
Piece Parts (Precision TNC)		Material	Plating
Centre contact		Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body		Stainless Steel	Passivated
Insulator		PTFE	

SMA jack (female) / Precision TNC jack (female)
Straight Adapter DC-18GHz VSWR1.20

AD-A2PCT25B / 9X-9X

Mechanical Data

	SMA Side	Precision TNC Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Coupling nut retention	≥ 270 N	N/A
Center contact captivation: axial	≥ 27 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm	0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range	-65°C to +165°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