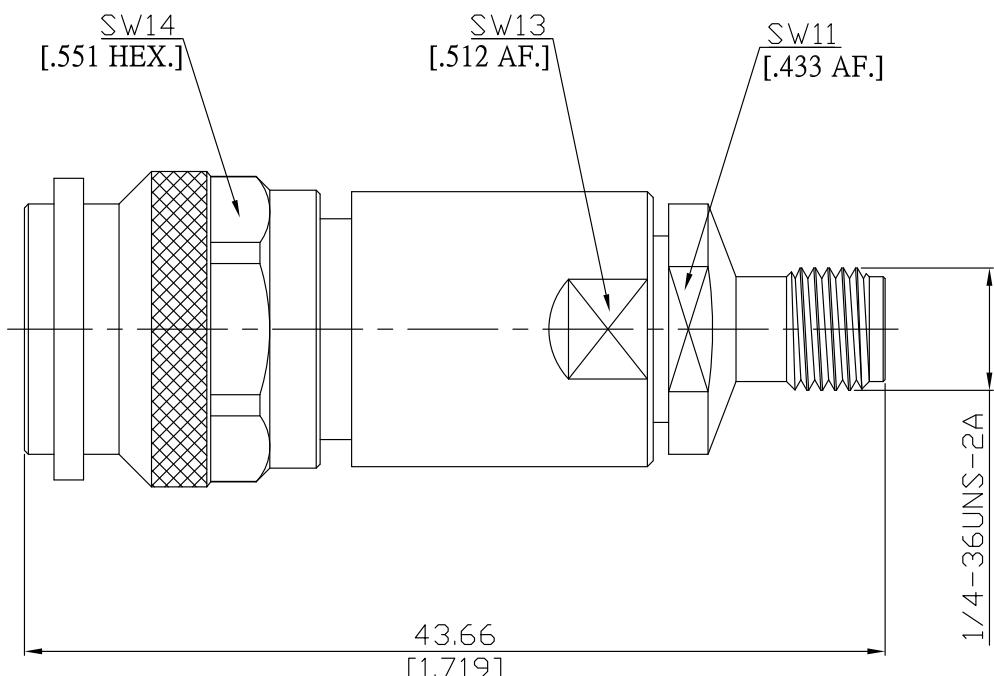


Precision TNC plug (male) to SMA jack (female) Adapter  
DC-18GHz VSWR1.25

# AD-PCT1A25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

Precision TNC according to

IEC 60169-26; MIL-STD-348B/313

SMA according to

IEC 60169-15; MIL-STD-348B/310

## Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

## Material And Plating

### 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/PS

Gasket

Silicone rubber

Coupling nut

Stainless Steel

Passivated

### 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

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## Mechanical Data

Coupling mechanisms	Precision TNC Side	SMA Side
Mating cycles	Screw-lock	Screw-lock
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	0.8 Nm to 1.1 Nm

## Environmental Data

Temperature Range	-55°C to +100°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 B
Shock	MIL-STD-202, Method 213, Condition G
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

## Packing

Single or 100