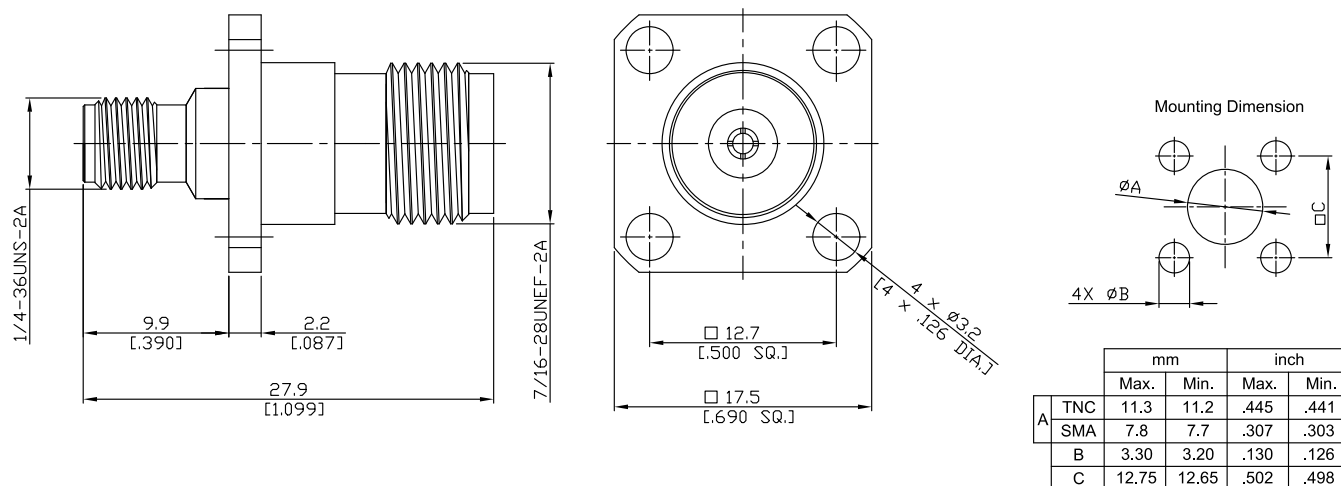


SMA Jack (Female) to TNC Jack (Female)  
Panel 4 Hole Flange Mount Adapter, DC-11 GHz, VSWR ≤ 1.2

**AD-A2T25A-PF / 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

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

≤ 0.04 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3.0 mΩ, SMA Side

≤ 1.5 mΩ, TNC side

Outer contact resistance

≤ 2.0 mΩ, SMA Side

≤ 1 mΩ, TNC side

Test voltage (at sea level)

1000 V rms

Working voltage (at sea level)

480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

≤ 80 W @ 2 GHz

**Material And Plating**

**Piece Parts (SMA)**

Centre contact

**Material**

Beryllium Copper

**Plating**

Gold plating, 3 μinch  
(Non-magnetic nickel-phosphorus underplating, 100 μinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

**Piece Parts (TNC)**

Centre contact

**Material**

Beryllium Copper

**Plating**

Gold plating, 3 μinch  
(Non-magnetic nickel-phosphorus underplating, 100 μinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

SMA Jack (Female) to TNC Jack (Female)  
Panel 4 Hole Flange Mount Adapter, DC-11 GHz, VSWR ≤ 1.2

# AD-A2T25A-PF / 9X-9X

## Mechanical Data

	SMA side	TNC side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
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	-55°C to +155°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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

## Packing

Single or 100