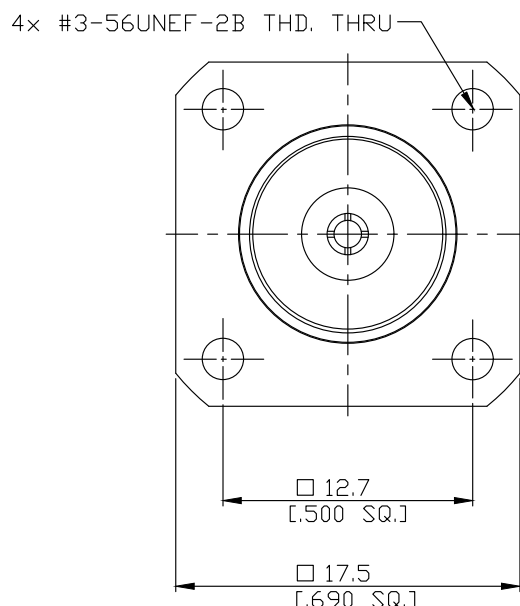
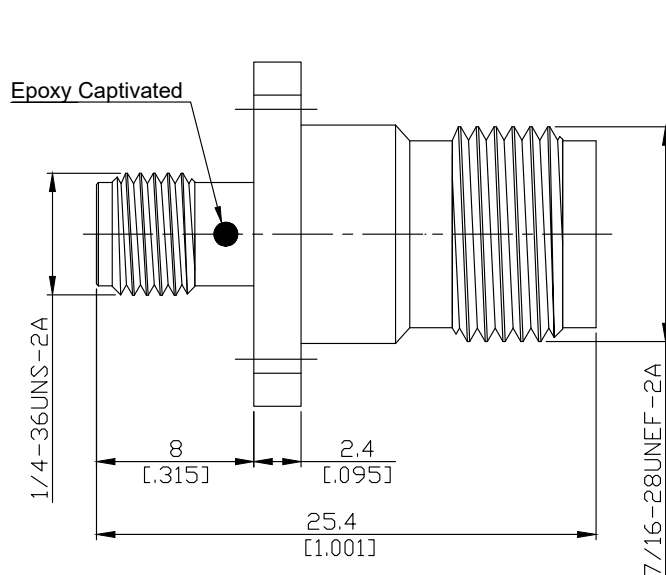


SMA Female to Precision TNC Female 4 Hole Flange Mount
Adapter DC-18GHz VSWR1.35

AD-A2PCT25A-PF-EC / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

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

TNC according to

IEC 60169-17; MIL-STD-348B/313

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.5 dB)

Insertion loss

$\leq 0.05 \times \sqrt{F}$ (GHz) dB

Insulation resistance

≥ 5 G Ω

Center contact resistance

≤ 3 m Ω , SMA side

≤ 1.5 m Ω , Precision TNC side

Outer contact resistance

≤ 2 m Ω , SMA side

≤ 1 m Ω , Precision 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 μ inch
(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Body

Stainless Steel

Passivated

Insulator

PTFE

Piece Parts (Precision TNC)

Centre contact

Material

Beryllium Copper

Plating

Gold plating, 3 μ inch
(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Body

Stainless Steel

Passivated

Insulator

PTFE

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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	-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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100