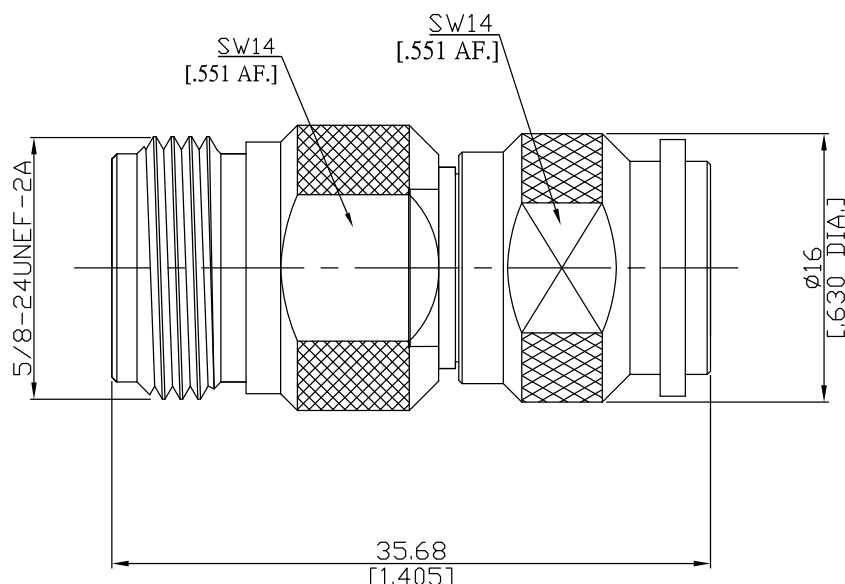


TNC plug (male) / N jack (female)  
Adapter DC-11 GHz VSWR1.20

**AD-T1N25B / 144-H4**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

TNC side according to

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

N side according to

IEC 60169-16; MIL-STD-348B/304

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.8 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1.5 mΩ, TNC side;

≤ 1 mΩ, N side

Outer contact resistance

≤ 1 mΩ, TNC side;

≤ 0.25 mΩ, N side

Working voltage

500 V rms

Power handling

≤ 80 W @ 2 GHz

**Material And Plating**

Piece Parts (TNC)	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (N)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

TNC plug (male) / N jack (female)  
Adapter DC-11 GHz VSWR1.20

**AD-T1N25B / 144-H4**

**Mechanical Data**

Coupling mechanisms	TNC Side	N Side
Mating Cycles	Screw-lock	Bayonet-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	max. 1.7 Nm	max. 1.7 Nm
	0.46 Nm to 0.69 Nm	0.7 Nm to 1.1 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. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Packing**

Single or 100