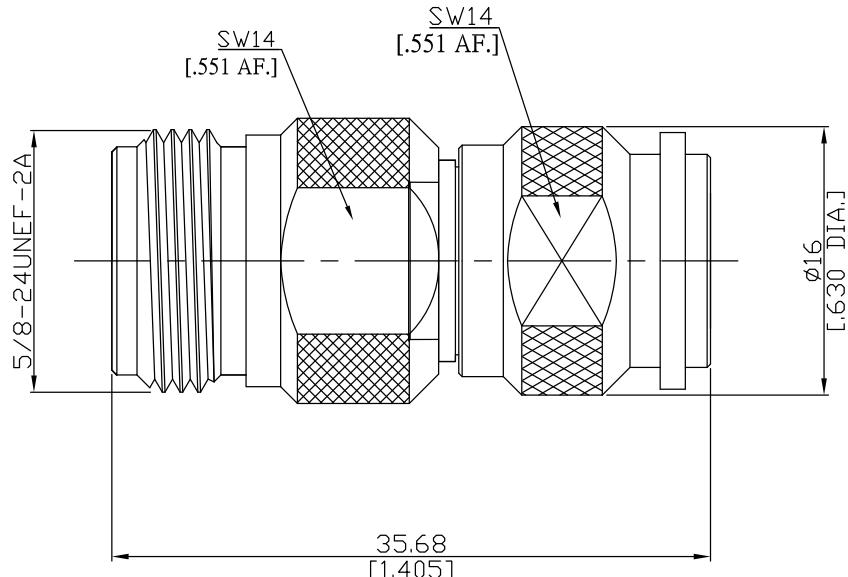


TNC plug (male) / N jack (female)
Adapter DC-11 GHz VSWR1.20

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 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
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 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

TNC plug (male) / N jack (female)
Adapter DC-11 GHz VSWR 1.20

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