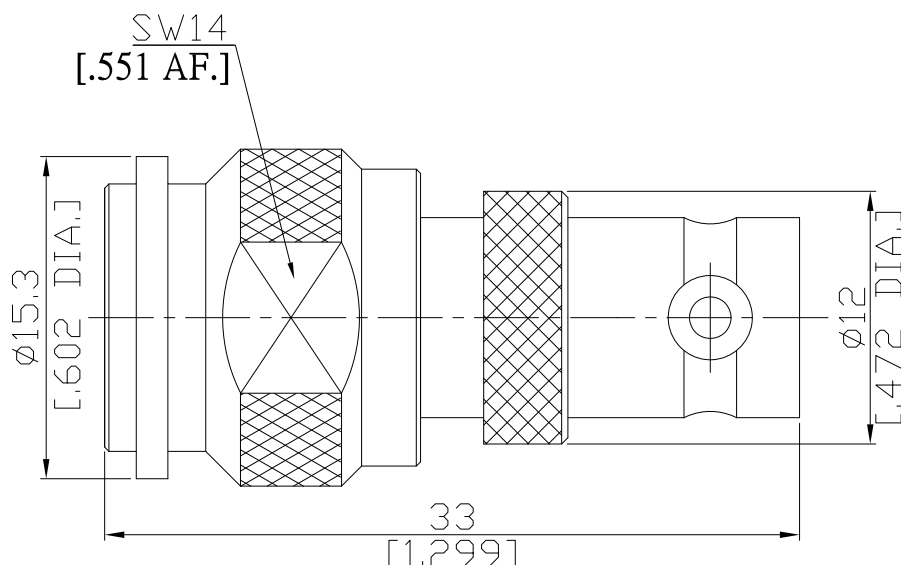


TNC plug (male) / BNC jack (female)
Adapter DC-4 GHz VSWR1.15

AD-T1B25A / 944-94



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

BNC side according to

IEC 60169-8; MIL-STD-348A/301

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.1 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1.5 mΩ, TNC side;

≤ 1.5 mΩ, BNC side

Outer contact resistance

≤ 1 mΩ, TNC side;

≤ 1 mΩ, BNC side

Test voltage

1500 V rms

Working voltage

400 V rms

Power handling

≤ 80 W @ 2 GHz

Material And Plating

Piece Parts (TNC)	Material	Plating
Centre contact	Beryllium Copper	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 (BNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

TNC plug (male) / BNC jack (female)
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Mechanical Data

Coupling mechanisms	TNC Side	BNC Side
Mating Cycles	Screw-lock	Bayonet-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 15 N	≥ 15 N
Recommended torque	max. 1.7 Nm	N/A
	0.46 Nm to 0.69 Nm	N/A

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