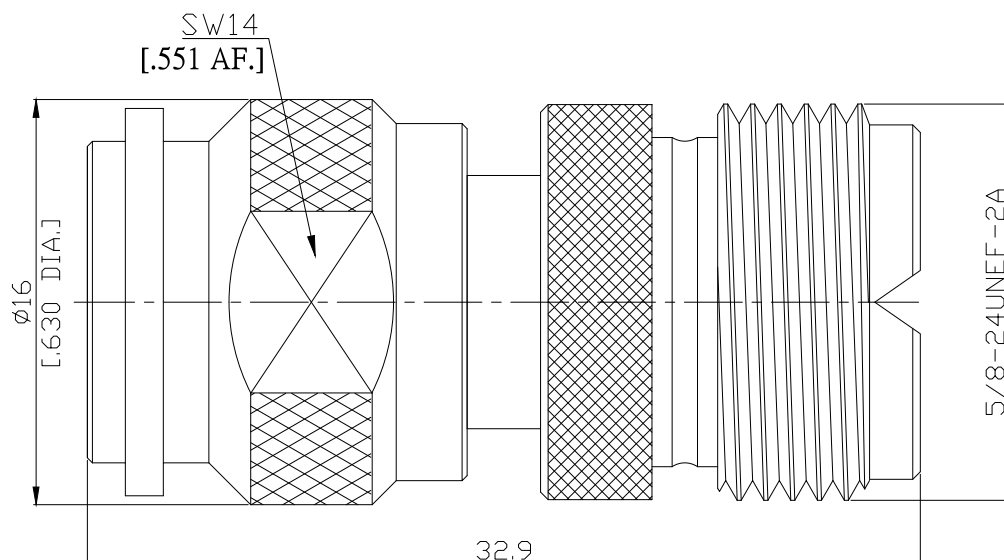


TNC plug (male) / UHF jack (female)
Adapter DC-300 MHz VSWR1.30

AD-T1U25A / H44-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

UHF side according to

IEC 60169-12

Electrical Data

Impedance

50 Ω; UHF (non-constant)

Frequency

DC to 300 MHz

VSWR (Return Loss)

≤ 1.30 (≥ 17.69 dB)

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1.5 mΩ, TNC side;

≤ 5 mΩ, UHF side

Outer contact resistance

≤ 1 mΩ, TNC side;

≤ 5 mΩ, UHF side

Material And Plating

Piece Parts (TNC)	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	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (UHF)	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) / UHF jack (female)
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Mechanical Data

	TNC Side	UHF Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	min. 500	min. 500
Center contact captivation: axial	≥ 28 N	≥ 30 N
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	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