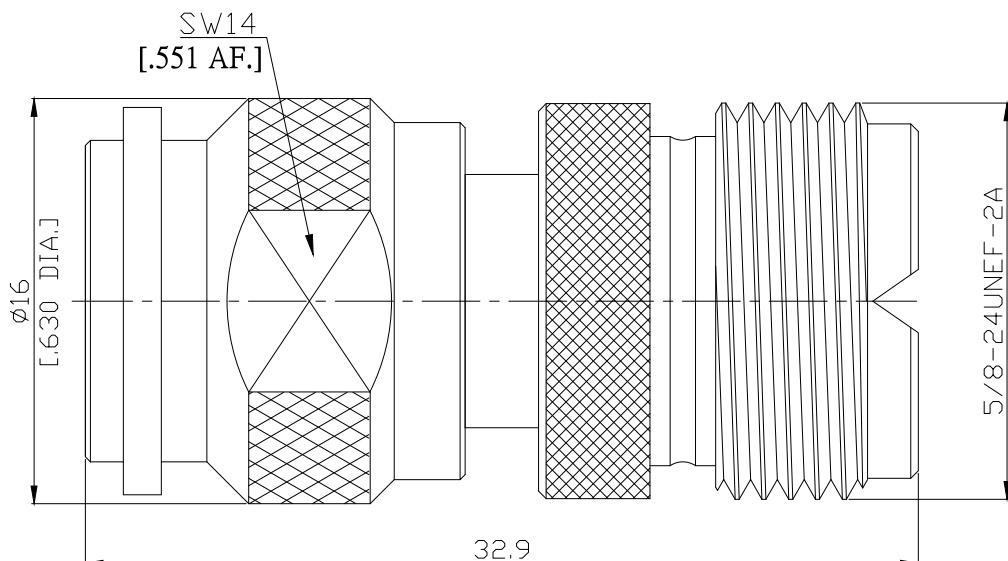


TNC plug (male) / UHF jack (female)
Adapter DC-300 MHz VSWR1.30

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)

(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)

(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

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