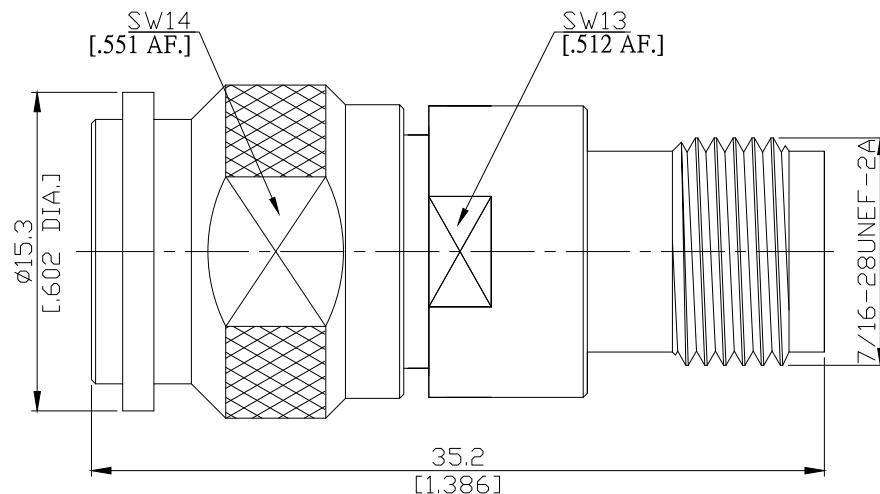


**TNC plug (male) / TNC jack (female) Straight Adaptor**  
**DC-11 GHz, VSWR  $\leq 1.25$**

**AD-T1T25A / H44-H4**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

according to

MIL-C-39012; MIL-STD-348A/313

#### Electrical Data

Impedance	50 $\Omega$
Frequency	DC to 11 GHz
VSWR (Return Loss)	$\leq 1.25$ ( $\geq 19.08$ dB)
Insertion Loss	$\leq 0.05 \times \sqrt{F}$ (GHz) dB
Insulation resistance	$\leq 5$ m $\Omega$
Center contact resistance	$\leq 1.5$ m $\Omega$
Outer contact resistance	$\leq 1$ m $\Omega$
Test voltage	1500 V rms
Working voltage	500 V rms
Power handling	$\leq 80$ W @ 2 GHz

#### Material And Plating

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

**TNC plug (male) / TNC jack (female) Straight Adaptor  
DC-11 GHz, VSWR ≤ 1.25**

**AD-T1T25A / H44-H4**

**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

**Environmental Data**

Temperature Range	-65 °C to +155 °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, Method 106
RoHS	compliant

**Packing**

Single or 100