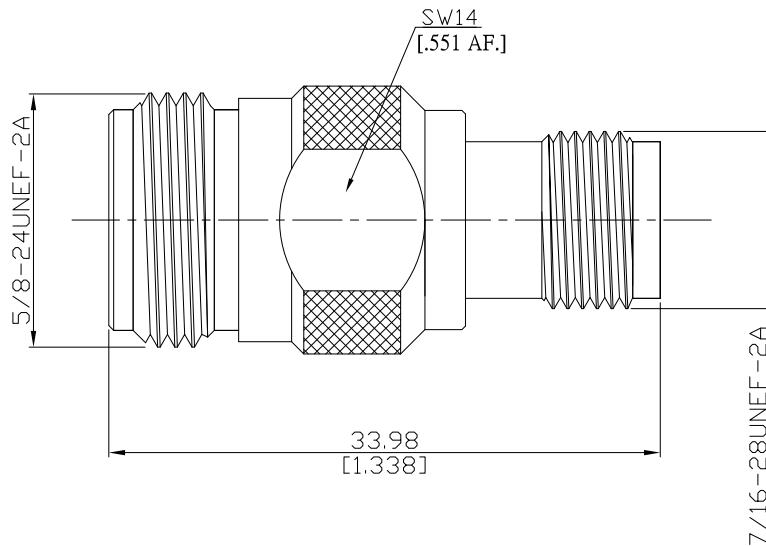


**N jack (female) / TNC jack (female)**  
**Straight Adaptor DC-10 GHz VSWR  $\leq 1.20$**

**AD-N2T25A / H4-H4**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

N according to

IEC 61169-8; MIL-STD-348B/301

TNC according to

IEC 60169-17; MIL-STD-348B/313

#### Electrical Data

Impedance

50  $\Omega$

Frequency

DC to 10 GHz

VSWR (Return Loss)

$\leq 1.20$  ( $\geq 20.8$  dB)

Insertion loss

$\leq 0.05 \times \sqrt{f}$  (GHz) dB

Insulation resistance

$\geq 5$  G $\Omega$

Center contact resistance

$\leq 1$  m $\Omega$ , N side;

$\leq 1.5$  m $\Omega$ , TNC side

Outer contact resistance

$\leq 0.25$  m $\Omega$ , N side;

$\leq 1$  m $\Omega$ , TNC side

Working voltage

500 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

$\leq 80$  W @ 2 GHz

#### Material And Plating

##### Piece Parts (N)

	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
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Insulator

PTFE	
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##### 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
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Insulator

PTFE	
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**N jack (female) / TNC jack (female)**  
**Straight Adaptor DC-10 GHz VSWR ≤ 1.20**

**AD-N2T25A / H4-H4**

**Mechanical Data**

Coupling mechanisms	N side	TNC side
Mating cycles	Screw-lock	Screw-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
	0.7 Nm to 1.1 Nm	0.46 Nm to 0.69 Nm

**Environmental Data**

Temperature Range	-55°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. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Packing**

Single or 100