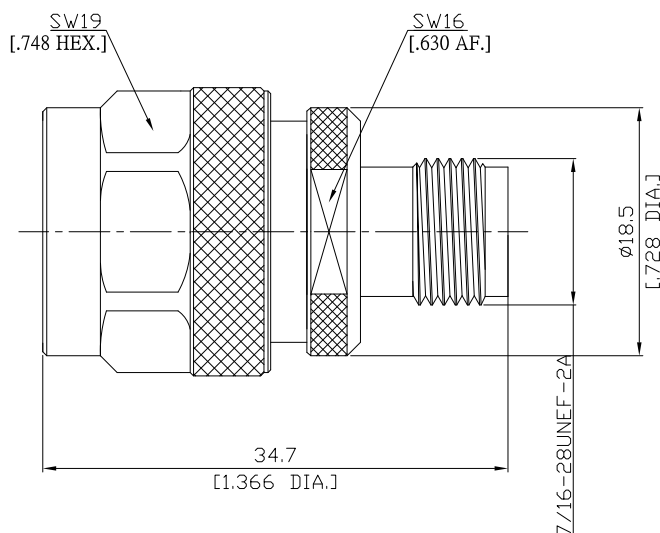


N plug (male) / TNC jack (female)  
Straight Adaptor DC-10 GHz VSWR ≤ 1.20

**AD-N1T25A / 944-94**



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 Ω

Frequency

DC to 10 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.8 dB)

Insertion loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1 mΩ, N side;

≤ 1.5 mΩ, TNC side

Outer contact resistance

≤ 0.25 mΩ, N side;

≤ 1 mΩ, TNC side

Working voltage

500 V rms

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

≤ 80 W @ 2 GHz

**Material And Plating**

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

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

**AD-N1T25A / 944-94**

**Mechanical Data**

|                                   | N side           | TNC side           |
|-----------------------------------|------------------|--------------------|
| Coupling mechanisms               | Screw-lock       | Screw-lock         |
| Mating cycles                     | min. 500         | min. 500           |
| Center contact captivation: axial | ≥ 28 N           | ≥ 28 N             |
| Coupling test torque              | max. 1.7 Nm      | max. 1.7 Nm        |
| Recommended torque                | 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