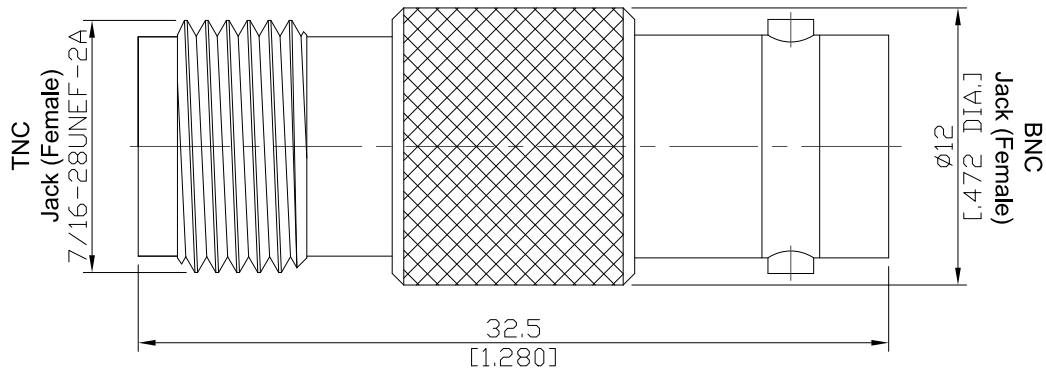


TNC Jack (Female) to BNC Jack (Female), Straight Adapter,  
DC-4 GHz, VSWR 1.20

**AD-T2B25A / 94-94**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

TNC side according to

IEC 61169-17; CECC 22200; MIL-PRF-39012; MIL-STD-348B/313; DIN EN 122200

BNC side according to

IEC 61169-8; CECC 22120; MIL-PRF-39012; MIL-STD-348B/301; BS 9210 N 004

**Electrical Data**

|                                                |                      |
|------------------------------------------------|----------------------|
| Impedance                                      | 50 Ω                 |
| Frequency                                      | DC to 4 GHz          |
| VSWR (Return Loss)                             | ≤ 1.2 (≥ 20.83 dB)   |
| Insertion Loss                                 | ≤ 0.05 x √F (GHz) dB |
| Center contact resistance                      | ≤ 1.5 mΩ             |
| Outer contact resistance                       | ≤ 1 mΩ               |
| Insulation resistance                          | ≥ 5 GΩ               |
| Test voltage                                   | 1500 V rms           |
| Working voltage                                | 400 V rms            |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 80 W @ 2 GHz       |

**Material And Plating**

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

TNC Jack (Female) to BNC Jack (Female), Straight Adapter,  
DC-4 GHz, VSWR 1.20

**AD-T2B25A / 94-94**

**Mechanical Data**

|                                   | TNC side           | BNC side     |
|-----------------------------------|--------------------|--------------|
| Coupling mechanisms               | Screw-On           | Bayonet-Lock |
| Mating cycles                     | min. 500           | min. 500     |
| Center contact captivation: axial | ≥ 15 N             | ≥ 15 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