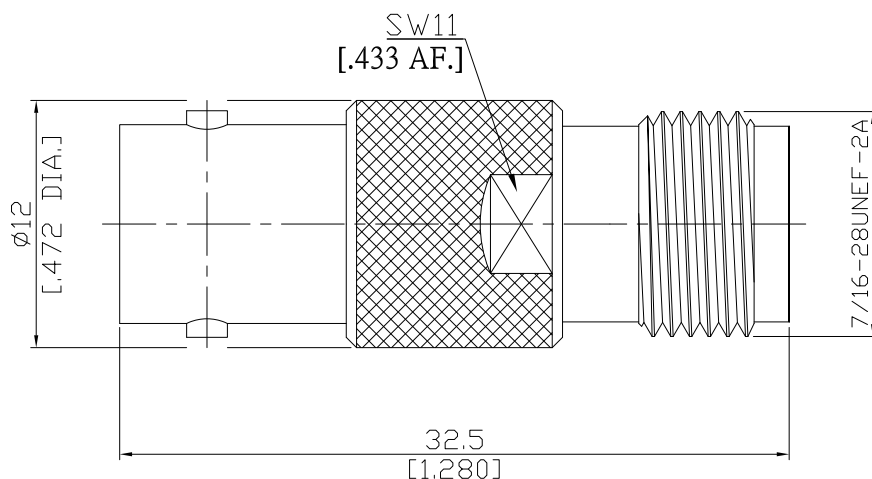


BNC jack (female) / TNC jack (female)  
Straight adaptor DC- 4GHz VSWR1.15

**AD-B2T25A / H4-H4**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

BNC according to

IEC 60169-8; MIL-STD-348B/301

TNC according to

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

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.54 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Center contact resistance

≤ 1.5 mΩ, BNC side;

≤ 1.5 mΩ, SMB

Outer contact resistance

≤ 1 mΩ, BNC side;

≤ 1 mΩ, SMB

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

BNC jack (female) / TNC jack (female)  
Straight adaptor DC- 4GHz VSWR1.15

# AD-B2T25A / H4-H4

## Mechanical Data

|                                   |              |                    |
|-----------------------------------|--------------|--------------------|
| Coupling mechanisms               | BNC side     | TNC side           |
| Mating cycles                     | Bayonet-lock | Screw-lock         |
| Center contact captivation: axial | min. 500     | min. 500           |
| Coupling test torque              | ≥ 15 N       | ≥ 15 N             |
| Recommended torque                | N/A          | max. 1.7 Nm        |
|                                   | N/A          | 0.46 Nm to 0.69 Nm |

## 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