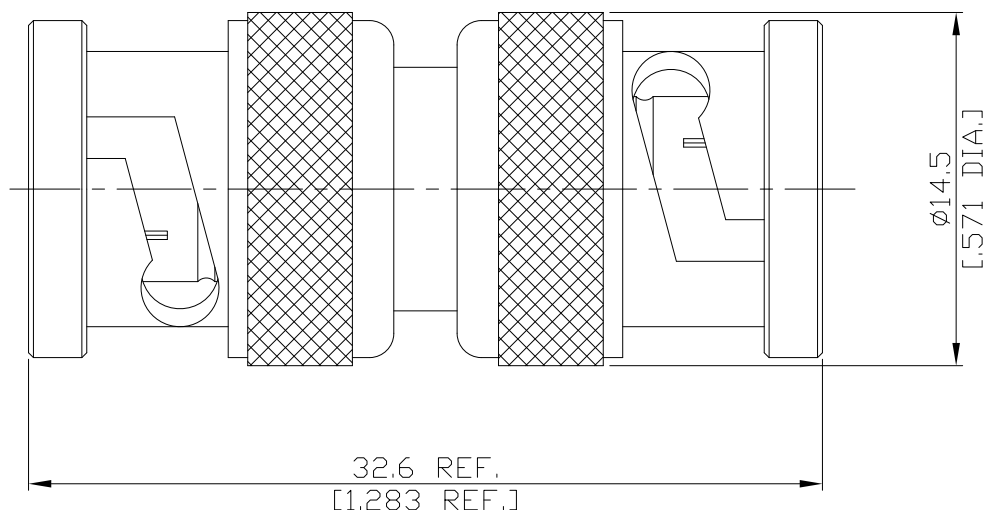


BNC plug (male) / BNC plug (male) Adaptors Straight DC-4GHz VSWR1.2

**AD-B1B15A / 144-144**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 61169-8; CECC 22120; MIL-PRF-39012; BNC Interface MIL-STD-348/301; 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 × √f (GHz) dB |
| Insulation resistance     | ≥ 5 GΩ               |
| Center contact resistance | ≥ 1.5 mΩ             |
| Outer contact resistance  | ≥ 1 mΩ               |
| Test voltage              | 1500 V rms           |
| Working voltage           | 400 V rms            |
| Power handling            | ≥ 80 W @ 2 GHz       |

**Material And Plating**

| Piece Parts (BNC) | Material        | Plating                                                                           |
|-------------------|-----------------|-----------------------------------------------------------------------------------|
| Centre contact    | Brass           | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 100 μinch) |
| Body              | Brass           | Copper-Tin-Zinc Alloy                                                             |
| Insulator         | PTFE            |                                                                                   |
| Gasket            | Silicone Rubber |                                                                                   |
| Coupling nut      | Brass           | Copper-Tin-Zinc Alloy                                                             |
| Piece Parts (BNC) | Material        | Plating                                                                           |
| Centre contact    | Brass           | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 100 μinch) |
| Body              | Brass           | Copper-Tin-Zinc Alloy                                                             |
| Insulator         | PTFE            |                                                                                   |
| Gasket            | Silicone Rubber |                                                                                   |
| Coupling nut      | Brass           | Copper-Tin-Zinc Alloy                                                             |

BNC plug (male) / BNC plug (male) Adaptors Straight DC-4GHz VSWR1.2

## AD-B1B15A / 144-144

### Mechanical Data

|                                   |              |
|-----------------------------------|--------------|
| Coupling Mechanisms               | Bayonet-lock |
| Mating Cycles                     | ≥ 500        |
| Center Contact Captivation: axial | ≥ 15 N       |

### 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. B |
| Shock               | MIL-STD-202, Meth. 213, Cond. G |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

### Packing

Single or 100