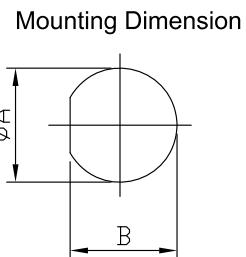
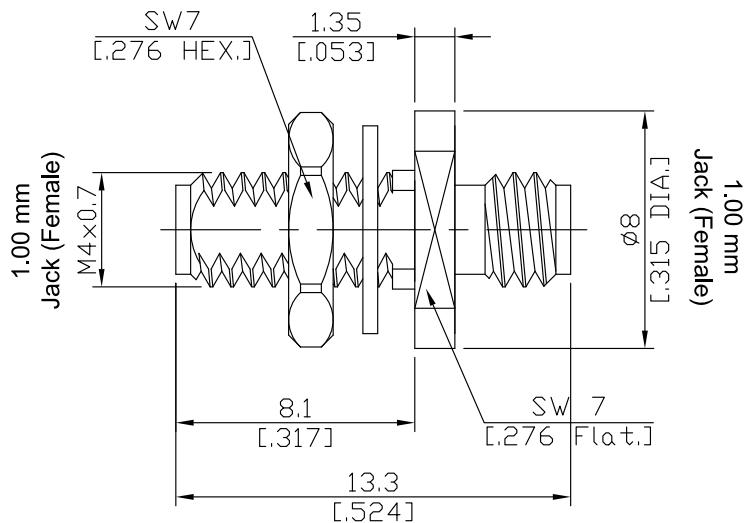


1.00mm Jack (Female) to 1.00mm Jack (Female) Bulkhead Adaptor  
DC-110 GHz, VSWR  $\leq$  1.35

**AD-W2W25A-BH / 9X-9X**



|   | mm   | inch |      |      |
|---|------|------|------|------|
|   | Max. | Min. | Max. | Min. |
| A | 4.2  | 4.1  | .165 | .161 |
| B | 3.7  | 3.6  | .146 | .142 |

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 60169-31; IEEE Std 287

### Electrical Data

|                             |                                |
|-----------------------------|--------------------------------|
| Impedance                   | 50 $\Omega$                    |
| Frequency                   | DC to 110 GHz                  |
| VSWR (Return Loss)          | $\leq$ 1.35 ( $\geq$ 16.54 dB) |
| Insertion loss              | $\leq$ 0.6 dB                  |
| Insulation resistance       | $\geq$ 5 G $\Omega$            |
| Test voltage (at sea level) | 500 V rms                      |

### Material And Plating

|                      |                  |              |
|----------------------|------------------|--------------|
| Piece Parts (1.00mm) | Material         | Plating      |
| Centre contact       | Beryllium Copper | Gold plating |
| Body                 | Stainless Steel  | Passivated   |
| Insulator            | PEI              |              |
| Gasket               | Silicone Rubber  |              |
| Fastening nut        | Stainless Steel  | Passivated   |
| Washer               | Stainless Steel  | Passivated   |
| Piece Parts (1.00mm) | Material         | Plating      |
| Centre contact       | Beryllium Copper | Gold plating |
| Body                 | Stainless Steel  | Passivated   |
| Insulator            | PEI              |              |



1.00mm Jack (Female) to 1.00mm Jack (Female) Bulkhead Adaptor  
DC-110 GHz, VSWR ≤ 1.35

**AD-W2W25A-BH / 9X-9X**

**Mechanical Data**

|                      |                    |
|----------------------|--------------------|
| Coupling mechanisms  | Screw-lock         |
| Mating cycles        | ≥ 500              |
| Coupling test torque | 0.70 Nm            |
| Recommended torque   | 0.30 Nm to 0.41 Nm |

**Environmental Data**

|                     |                               |
|---------------------|-------------------------------|
| Temperature Range   | -55°C to +125°C               |
| Thermal shock       | IEC 61169-1, Subclause 9.4.4  |
| Corrosion           | IEC 61169-1, Subclause 9.4.6  |
| Vibration           | IEC 61169-1, Subclause 9.3.3  |
| Shock               | IEC 61169-1, Subclause 9.3.14 |
| Moisture resistance | IEC 61169-1, Subclause 9.4.3  |
| RoHS                | compliant                     |

**Packing**

Single or 100