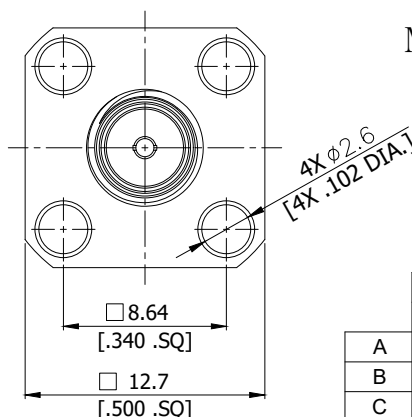
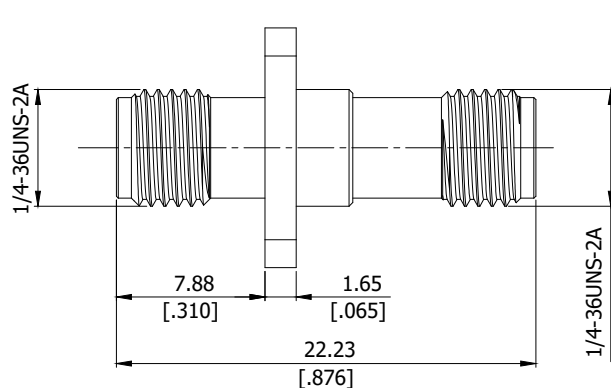
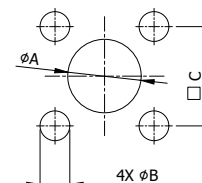


SMA jack (female)/SMA jack (female)  
Panel 4 Hole Flange Mount Adapter DC-18 GHz, VSWR ≤ 1.15

**AD-A2A25D-PF / 91-91**



Mounting Dimensions



|   | mm   |      | inch  |       |
|---|------|------|-------|-------|
|   | Max. | Min. | Max.  | Min.  |
| A | 6.29 | 6.24 | 0.248 | 0.247 |
| B | 2.8  | 2.7  | 0.110 | 0.106 |
| C | 8.69 | 8.59 | 0.342 | 0.338 |

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

according to

IEC 60169-15; MIL-STD-348B/310

**Electrical Data**

|                                                |                      |
|------------------------------------------------|----------------------|
| Impedance                                      | 50 Ω                 |
| Frequency                                      | DC to 18 GHz         |
| VSWR (Return Loss)                             | ≤ 1.15 (> 23.1 dB)   |
| Insertion Loss                                 | ≤ 0.05 × √F (GHz) dB |
| Insulation resistance                          | ≤ 3 mΩ               |
| Center contact resistance                      | ≤ 2 mΩ               |
| Outer contact resistance                       | 1000 V rms           |
| Test voltage                                   | 480 V rms            |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 200 W @ 2 GHz      |
| RF-leakage                                     | ≥ 100 dB up to 1 GHz |

**Material And Plating**

| Piece Parts (SMA) | Material         | Plating                                                                          |
|-------------------|------------------|----------------------------------------------------------------------------------|
| Centre contact    | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body              | Brass            | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Insulator         | PTFE             |                                                                                  |
| Piece Parts (SMA) | Material         | Plating                                                                          |
| Centre contact    | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body              | Brass            | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Insulator         | PTFE             |                                                                                  |
| Gasket            | Silicone Rubber  |                                                                                  |

SMA jack (female)/SMA jack (female)  
Panel 4 Hole Flange Mount Adapter DC-18 GHz, VSWR ≤ 1.15

# AD-A2A25D-PF / 91-91

## Mechanical Data

|                                   |                  |
|-----------------------------------|------------------|
| Coupling mechanisms               | Screw-lock       |
| Mating cycles                     | ≥ 500            |
| Center contact captivation: axial | ≥ 27 N           |
| radial                            | ≥ 3 Ncm          |
| Coupling test torque              | ≤ 1.7 Nm         |
| Recommended torque                | 0.8 Nm to 1.1 Nm |

## Environmental Data

|                     |                                      |
|---------------------|--------------------------------------|
| Temperature Range   | -65°C to +155°C                      |
| Thermal shock       | MIL-STD-202, Method 107, Condition B |
| Corrosion           | MIL-STD-202, Method 101, Condition B |
| Vibration           | MIL-STD-202, Method 204, Condition D |
| Shock               | MIL-STD-202, Method 213, Condition I |
| Moisture resistance | MIL-STD-202, Method 106              |
| RoHS                | compliant                            |

## Packing

Single or 100