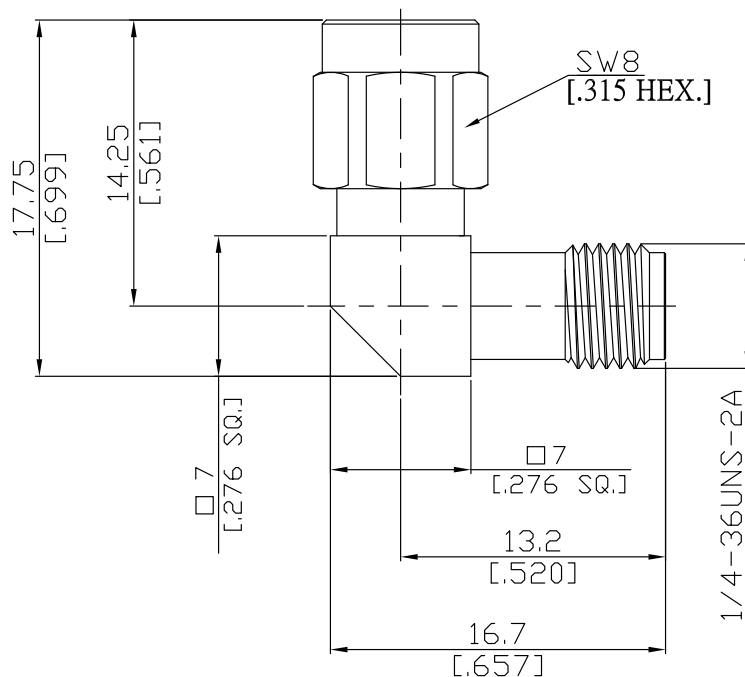


SMA plug (male)/SMA jack(female) L-adaptor  
DC-18GHz VSWR1.2

**ASL-A1A25A\_1.2 / 911-91**



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)                             | ≤ 1.2 (≥ 20.8 dB)      |
| Insertion Loss                                 | ≤ 0.04 × √F (GHz) dB   |
| Insulation resistance                          | ≥ 5×10 <sup>3</sup> MΩ |
| Center contact resistance                      | ≤ 3 m MΩ               |
| Outer contact resistance                       | ≤ 2 m MΩ               |
| Test voltage                                   | 1000 V rms             |
| Working 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   |

## SMA plug (male)/SMA jack(female) L-adaptor DC-18GHz VSWR1.2

### ASL-A1A25A\_1.2 / 911-91

#### 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             |  |
| Gasket            | Silicone Rubber  |  |
| Coupling nut      | Brass            | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| 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             |  |

#### Mechanical Data

|                                   |                   |
|-----------------------------------|-------------------|
| Coupling mechanisms               | Screw-lock        |
| Mating cycles                     | min. 500          |
| Coupling nut retention            | ≥ 270 N           |
| Center contact captivation: axial | ≥ 17 Ncm          |
| radial                            | ≥ 3 Nm            |
| Coupling test torque              | max. 1.7 Nm       |
| Recommended torque                | 0.80 Nm to 1.1 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. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

#### Packing

Single or 100