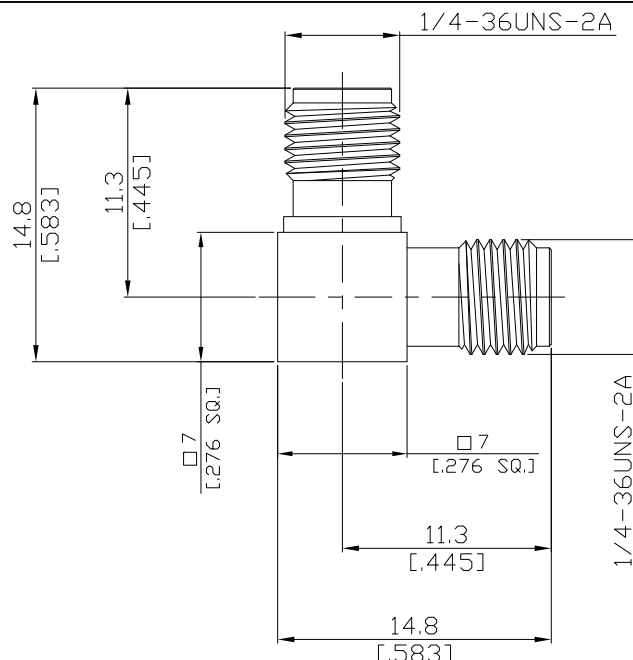


SMA jack (female) / SMA jack (female)  
L-adaptor DC-18 GHz, VSWR ≤ 1.15

## ADL-A2A25C / 9X-9X



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                                 | ≤ 0.03 × √F (GHz) dB |
| Insulation resistance                          | ≥ 5 GΩ               |
| Center contact resistance                      | ≤ 3 mΩ               |
| Outer contact resistance                       | ≤ 2 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 |

### 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              | Stainless Steel  | Passivated                                                                       |
| Insulator         | PTFE             |                                                                                  |
| Piece Parts (SMA) | Material         | Plating                                                                          |
| Centre Contact    | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body              | Stainless Steel  | Passivated                                                                       |
| Insulator         | PTFE             |                                                                                  |

SMA jack (female) / SMA jack (female)  
L-adaptor DC-18 GHz, VSWR ≤ 1.15

## ADL-A2A25C / 9X-9X

### Mechanical Data

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

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

### Packing

Single or 100