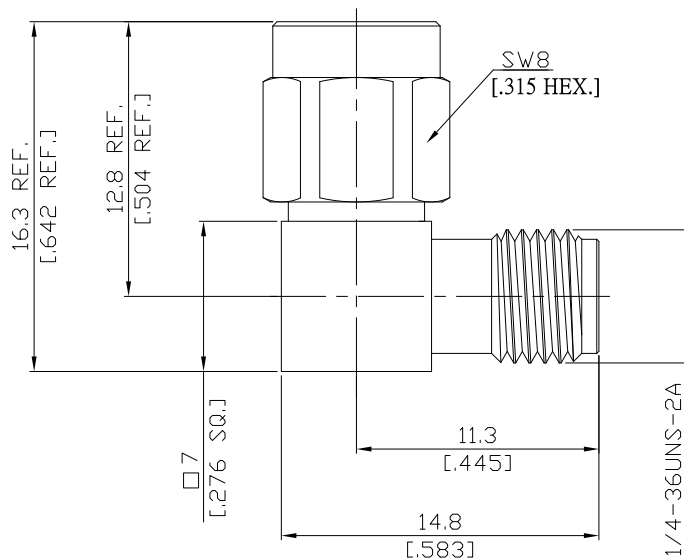


SMA plug (male) / SMA jack (female) L-adaptor DC-18 GHz, VSWR ≤ 1.15

ADL-A1A25C / 911-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110

Electrical Data

| | |
|--|----------------------|
| Impedance | 50 Ω |
| Frequency | DC to 18 GHz |
| VSWR (Return Loss) | ≤ 1.15 (> 23.13 dB) |
| Insertion Loss | ≤ 0.04 x √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 (Non-magnetic nickel-phosphorus underplating) |
| Body | Brass | Gold plating (Non-magnetic nickel-phosphorus underplating) |
| Insulator | PTFE | |
| Gasket | Silicone Rubber | |
| Coupling nut | Brass | Gold plating (Non-magnetic nickel-phosphorus underplating) |
| Piece Parts (SMA) | Material | Plating |
| Centre contact | Beryllium Copper | Gold plating (Non-magnetic nickel-phosphorus underplating) |
| Body | Brass | Gold plating (Non-magnetic nickel-phosphorus underplating) |
| Insulator | PTFE | |

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:
Date: JUN/17/2025

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

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Mechanical Data

| | |
|-----------------------------------|------------------|
| Coupling mechanisms | Screw-lock |
| Mating cycles | ≥ 500 |
| Coupling nut retention | ≥ 270 N |
| 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 | -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