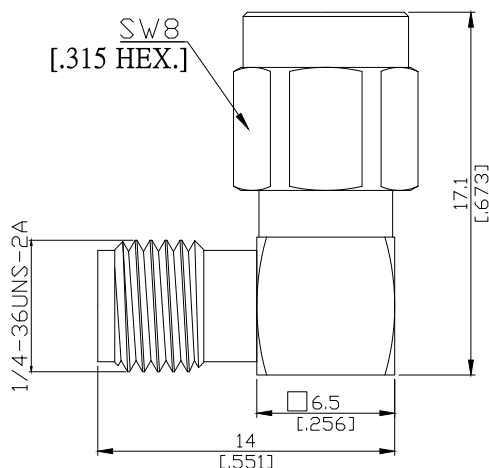


SMA plug (male) / SMA jack (female) L-adaptor DC-18 GHz, VSWR ≤ 1.15

ADL-A1A25D / 111-111



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 (> 23.13 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 | Brass | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body | Brass | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Insulator | PTFE | |
| Gasket | Silicone Rubber | |
| Coupling nut | Brass | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Piece Parts (SMA-female) | Material | Plating |
| Centre contact | Brass | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body | Brass | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Insulator | PTFE | |
| Gasket | Silicone Rubber | |

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 | min. 500 |
| Coupling nut retention | ≥ 270 N |
| 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