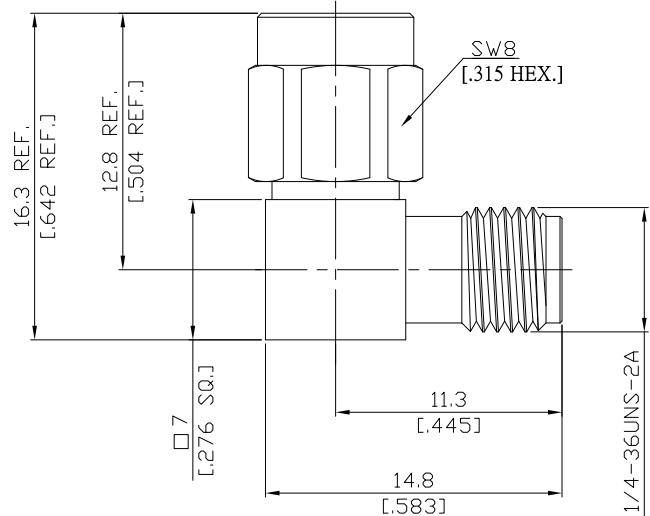




SMA plug (male) / SMA jack (female) L-adaptor DC-18 GHz, VSWR \leq 1.15

ADL-A1A25C / 9XX-9X



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)

\leq 1.15 ($>$ 23.13 dB)

Insertion Loss

\leq 0.04 \times \sqrt{f} (GHz) dB

Insulation resistance

\geq 5 G Ω

Center contact resistance

\leq 3 m Ω

Outer contact resistance

\leq 2 m Ω

Test voltage

1000 V rms

Working voltage

480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

\leq 200 W @ 2 GHz

RF-leakage

\geq 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

Stainless Steel

Passivated

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Stainless Steel

Passivated

Piece Parts (SMA)

Material

Plating

Centre contact

Beryllium Copper

Gold plating

(Non-magnetic nickel-phosphorus underplating)

Body

Stainless Steel

Passivated

Insulator

PTFE



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Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	min. 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	-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