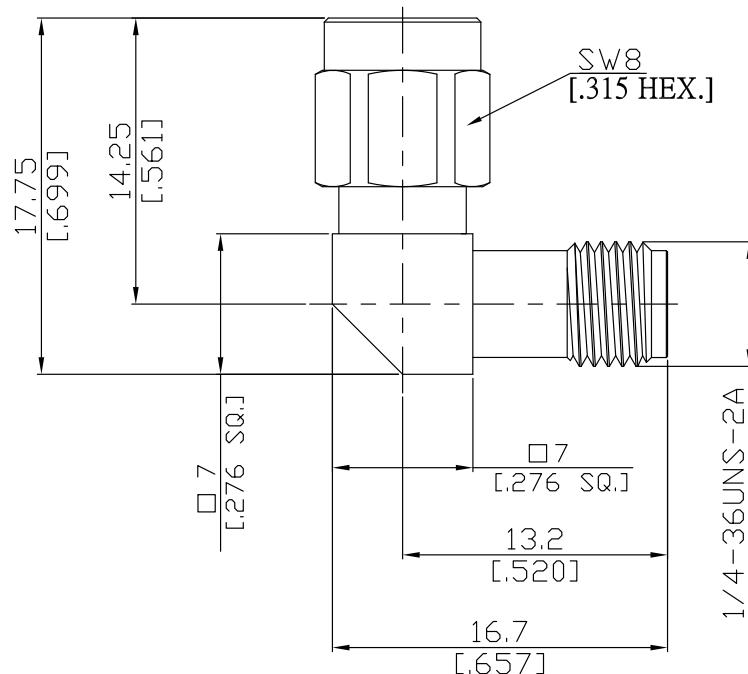


SMA plug (male)/SMA jack(female) L-adaptor
DC-18GHz VSWR1.2

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

≤ $0.04 \times \sqrt{f}$ (GHz) dB

Insulation resistance

≥ 5×10^3 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

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Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	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)	Material	Plating
Centre contact	Beryllium Copper	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	

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