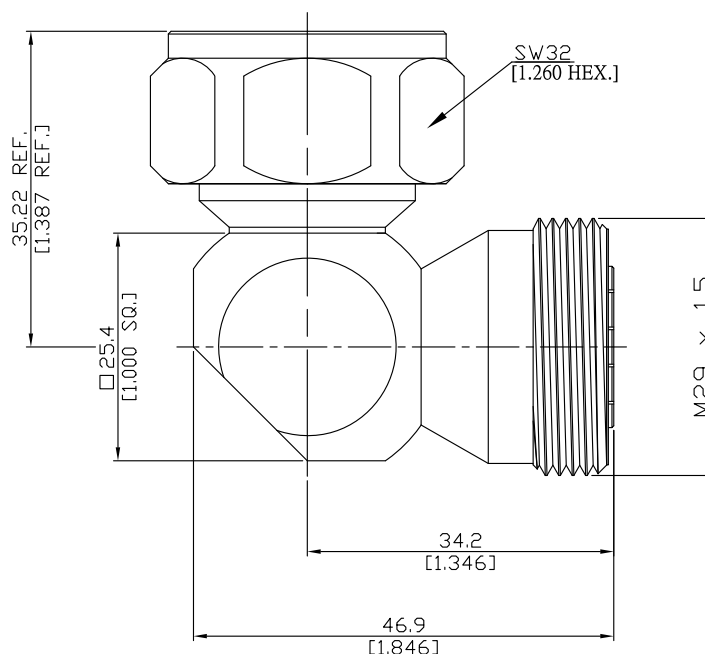


7/16 Plug (Male) / 7/16 jack (female)
L-adaptor DC-7.5 GHz, VSWR ≤ 1.25

ASL-D1D25A / 800-80



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-4; CECC 22 190; DIN 47223; EN 122190

Electrical Data

Impedance	50 Ω	
Frequency	DC to 7.5 GHz	
VSWR (Return Loss)	≥ 1.25 (≥ 19.08 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation resistance	≥ 10 GΩ	
Center contact resistance	≤ 0.4 mΩ	
Outer contact resistance	≤ 1.5 mΩ	
Working voltage	500 V rms	
Power handling (at 20 °C, sea level, VSWR 1.0)	1800 W @ 1 GHz	800 W @ 4 GHz
RF-leakage	≥ 128 dB @ DC to 1 GHz	

Material And Plating

Piece Parts (7/16)	Material	Plating
Centre contact	Beryllium Copper	Silver
Body (outer conductor)	Brass	Silver
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Silver
Piece Parts (7/16)	Material	Plating
Centre contact	Beryllium Copper	Silver
Body	Brass	Silver
Insulator	PTFE	

7/16 Plug (Male) / 7/16 jack (female)
L-adaptor DC-7.5 GHz, VSWR ≤ 1.25

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Coupling nut retention	≥ 1000 N
Center contact captivation: axial	≥ 200 N
radial	≥ 30 Ncm
Coupling torque (recommended)	25 to 30 Nm
Proof torque	max. 35 Nm

Environmental Data

Temperature Range	-45°C to +85°C
Rapid change of temperature	DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance	DIN EN 122190, Sub-clause 4.6.10
Vibration	DIN EN 122190, Sub-clause 4.6.3
Climatic tests	DIN EN 122190, Sub-clause 4.6.5 (45/85/56)
Damp heat	DIN EN 122190, Sub-clause 4.6.6
RoHS	compliant

Packing

Single or 100