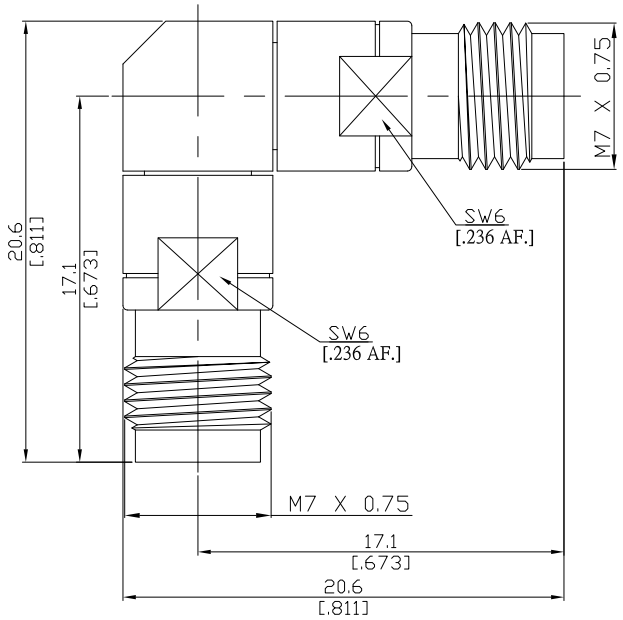
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

1.85mm jack (female) / 1.85mm jack (female) Right Angle Adaptor DC-65 GHz, VSWR ≤ 1.45

ASL-V2V25A / 9X-9X



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

according to	IEC 61169-32
Mechanically compatible with	2.4mm

Electrical Data

Impedance	50 Ω
Frequency	DC to 65 GHz
VSWR (Return Loss)	≤ 1.45 (≥ 14.7 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	500 V rms
Working voltage	150 V rms
RFleakage	≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (1.85mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Center contact captivation	≥ 20 N
Coupling test torque	1.65 Nm
Recommended torque	0.80 Nm to 1.10 Nm
Environmental Data	
Temperature Range	-55°C to +165°C
Thermal shock	IEC 611691, Subclause 9.4.4
Corrosion	IEC 611691, Subclause 9.4.6
Vibration	IEC 611691, Subclause 9.3.3
Shock	IEC 611691, Subclause 9.3.14
Moisture resistance	IEC 611691, Subclause 9.4.3
RoHS	compliant
Packing	
	Singleor 100

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