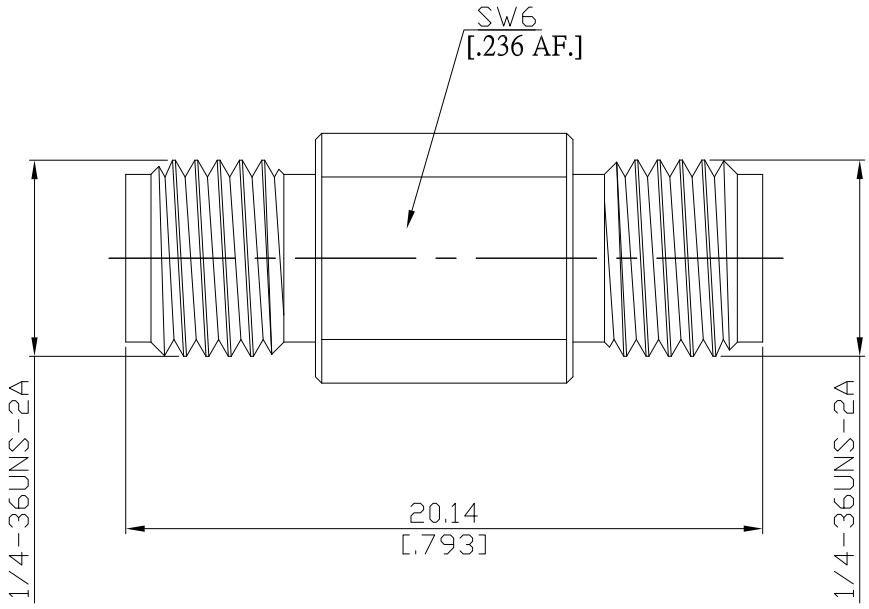
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

2.92mm jack (female) / 2.92mm jack (female)
Adaptors Straight DC-40GHz VSWR1.15

AD-K2K25B / 9X-9X



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

Interface

Mechanically compatible with	3.50mm and SMA
According to	IEC 61169-35

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.15 (≥ 23.13 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Test Voltage (at sea level)	750 V rms
Working Voltage (at sea level)	250 V rms
RF Leakage	≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (2.4mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 Nm to 1.10 Nm
Environmental Data	
Temperature Range	-60°C to +100°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

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