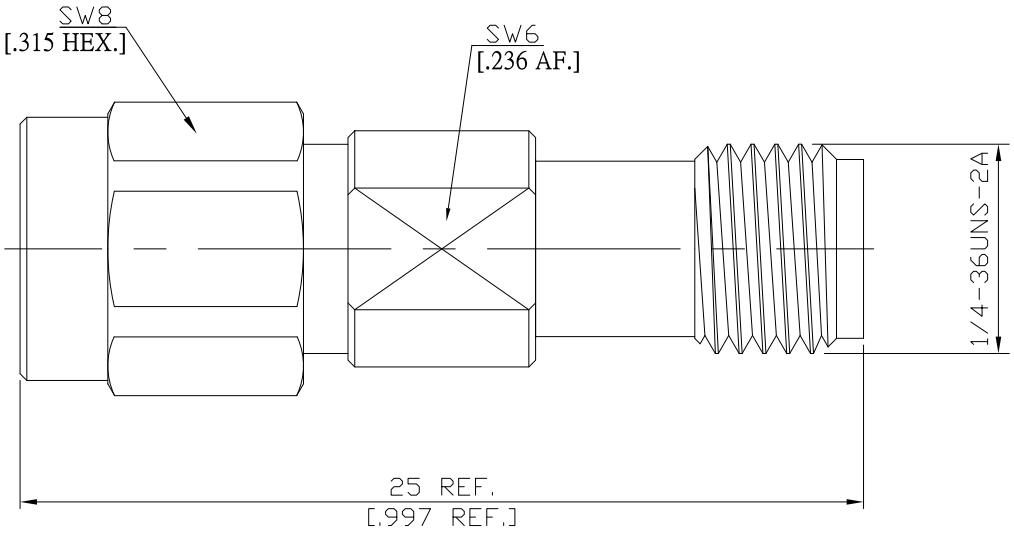
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

2.92mm Plug (Male) to 2.92mm Jack (Female) Straight Bullet Adaptor DC-40 GHz, VSWR ≤1.25

AD-K1K25A-BL25 / 9XX-9X



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

Interface

According to	IEC 61169-35;IEEE Std 287;MIL-STD-348A/323

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.04 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 (2.9mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated

Piece Parts (2.9mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation	≥ 20 N
Coupling Test Torque	1.70Nm
Recommended Torque	0.80 Nm to 1.10 Nm
Environmental Data	
Temperature Range	-40°C to +125°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant
Packing	
	Single or 100

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