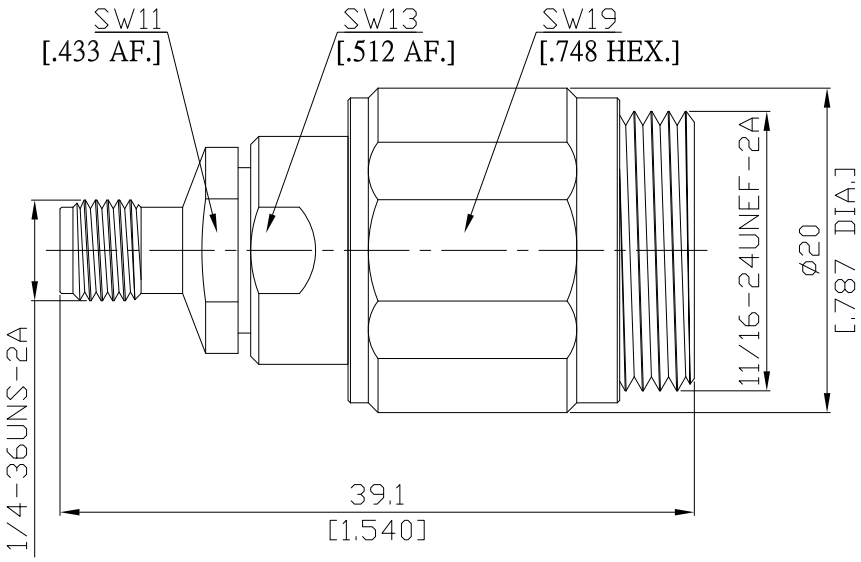
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

2.92mm jack (female) / 7mm sexless
Adaptors Straight DC-18 GHz VSWR1.15

AD-K2P7S5A / 9X-9XX



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

Interface

2.92mm mechanically compatible with	3.50mm and SMA
7mm according to	IEC 4572

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.15 (≥ 23.1 dB)	
Insertion Loss	≤ 0.04 x √F (GHz) dB	
Center contact resistance	≤ 3.0 mΩ, 2.92mm side	≤ 1.0 mΩ, 7mm side
Outer contact resistance	≤ 2.0 mΩ, 2.92mm side	≤ 0.1 mΩ, 7mm side
Test voltage	750 V rms	
Working voltage	250 V rms	
RFleakage	≥ 100 dB up to 1 GHz	

Material And Plating

Piece Parts (2.92mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Piece Parts (7mm)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Coupling nut	Stainless Steel	Passivated

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Mechanical Data

	2.92mm side	7mm side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center Contact Captivation	≥ 28 N	≥ 28 N
Coupling test torque	1.70 Nm	1.95 Nm
Recommended torque	0.80 Nm to 1.10 Nm	1.36 Nm

Environmental Data

Temperature Range	-55°C to +70°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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