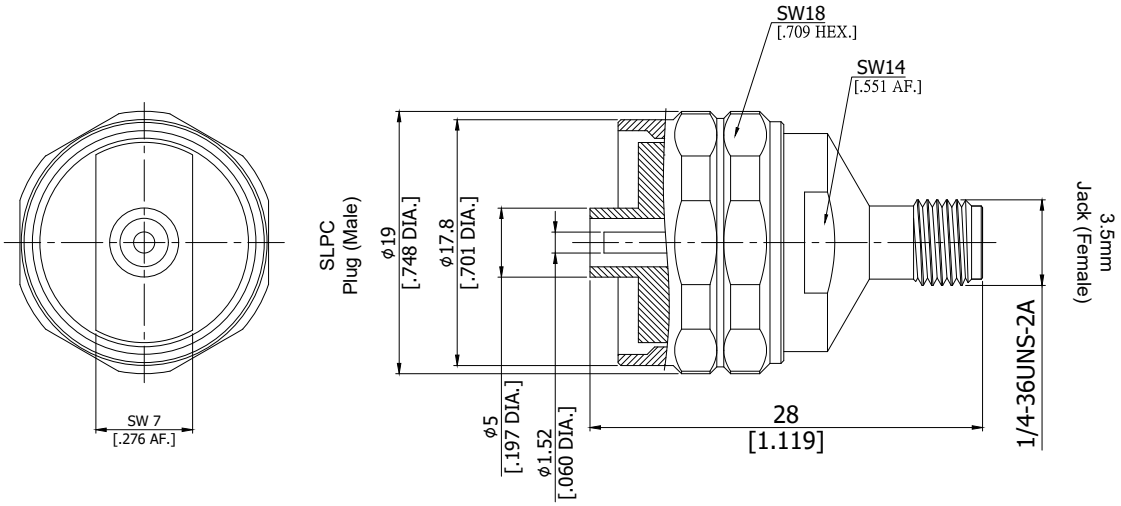
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

SLPC Plug(Male) to 3.5mm Jack(female) Straight Adapter DC-26.5GHz, VSWR ≤ 1.2

AD-SLPC1PC25A / 9XX-9X



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

Interface

	SLPC Side	3.5mm Side
Mechanically compatible with	N/A	2.92mm and SMA
According to	Interchangeable port connector system	IEC 60169-23, IEEE Std 287

Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
VSWR (Return Loss)	≤ 1.2 (≥ 20.8 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 3.0 mΩ
Outer Contact Resistance	≤ 2 mΩ
Test Voltage (at sea level)	1000 V rms
Working Voltage (at sea level)	335 V rms
RF Leakage	≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (SLPC)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts (3.5mm)	**Material**	**Plating**
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Coupling Nut	Stainless Steel	Passivated

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Mechanical Data

Coupling mechanisms SLPC Side	Screw-lock
Coupling mechanisms 3.5mm Side	Screw-lock
Mating Cycles SLPC Side	≥ 3000
Mating Cycles 3.5mm Side	≥ 500
Center Contact Captivation	≥ 27 N
Coupling Test Torque	1.65 Nm max.
Recommended Torque	2 Nm

Environmental Data

Temperature Range	-40°C to +85°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

Standard	Single
Weight	N/A

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