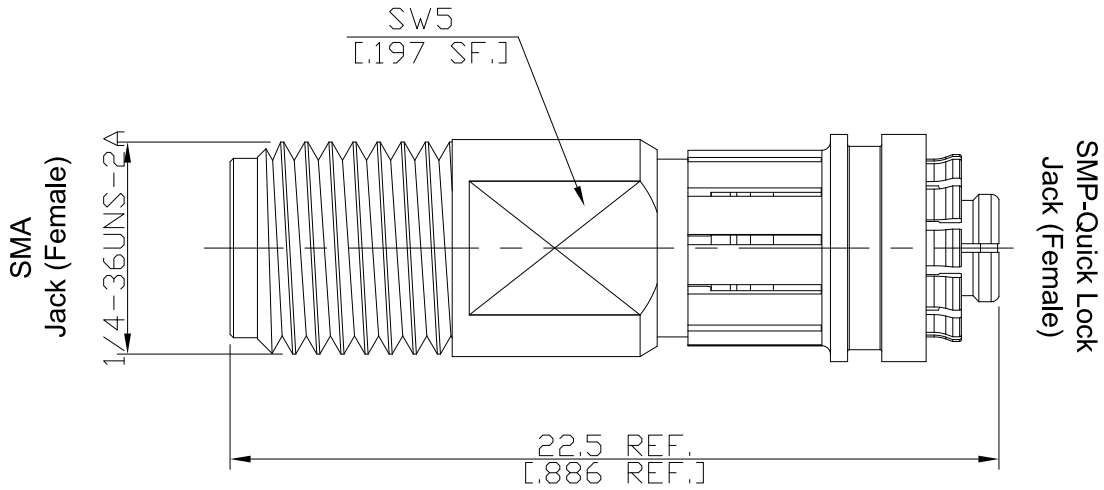
ROSNOL® RF/Microwave Interconnect

Technical Data Sheet

SMA Jack (female) / SMP-Quick Lock Jack (female) Straight Adapter DC-18GHz VSWR1.30

AD-A2QLP2A / 9X-99



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

Interface

SMA according to	IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110
SMP according to	MIL-PRF-31031; MIL-STD-348B/326; IEC 61169-44

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.30 (≥ 17.69 dB)	
Insertion Loss	≤ 0.1 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 6.0 mΩ, SMP Side
Outer Contact Resistance	≤ 2.0 mΩ, SMA Side	≤ 2.0 mΩ, SMP Side
Test Voltage (at sea level)	500 V rms	
Working Voltage (at sea level)	335 V rms	

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

Piece Parts (SMP)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Insulator	PTFE	

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

	SMA Side	SMP Side
Coupling mechanisms	Screw-lock	Quick-lock
Mating Cycles	min. 500	min. 500
Center Contact Captivation: axial	≥ 27 N	≥ 27 N
Coupling Test Torque	1.7 Nm max.	N/A
Recommended Torque	0.8 Nm to 1.1 Nm	N/A

Environmental Data

Temperature Range	-65°C to +155°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100

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