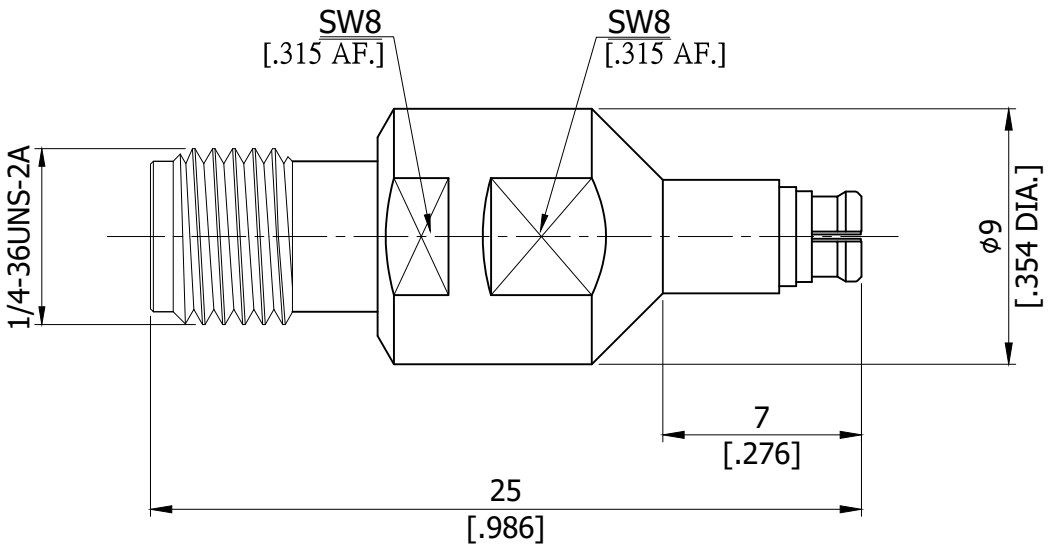
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

SMA jack (Female) / SMP jack (Female)Full Detent Adapter DC-26.5GHz VSWR1.3

AD-A2PF25B / 9X-9X



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

Interface

	SMA Side	SMP Side
According to	IEC 60169-15; MIL-STD-348A/310	MIL-STD-348B/326 (Full Detent)

Electrical Data

Impedance	50 Ω	
Frequency	DC to 26.5 GHz	
VSWR (Return Loss)	≤ 1.3 (≥ 17.7 dB)	
Insertion Loss	≤ 0.05 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	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	

Piece Parts (SMP)	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

	SMA Side	SMP Side
Coupling mechanisms	Screw-lock	Snap-on
Mating Cycles	≥ 500	if mated with Smooth bore or Catcher's Mitt: ≥ 1000 if mated with Limited detent: ≥ 500 if mated with Full detent: ≥ 100
Coupling Nut Retention	N/A	N/A
Center Contact Captivation: axial	≥ 27 N	≥ 27 N
Weight	N/A	
Coupling Test Torque	1.7 Nm max.	N/A
Recommended Torque	0.9 Nm	N/A
Engagement force	N/A	
- smooth bore		9 N max.
- limited detent		45 N max.
- full detent		68 N max.
Disengagement force	N/A	
- smooth bore		2.2 N min
- limited detent		9 N min.
- full detent		22 N min.

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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