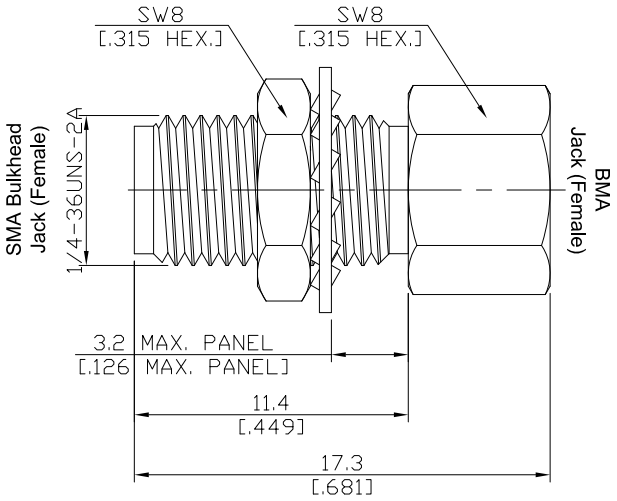
ROSNOL®
RF/Microwave Interconnect

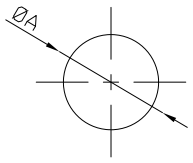
Technical Data Sheet

SMA Jack (Female) Bulkhead to BMA Jack (Female) Adapter, DC–18 GHz, VSWR 1.30

AD-A2BA25B-BH / 9X-9X



Mounting Dimension



	mm		inch	
	Max.	Min.	Max.	Min.
A	6.5	6.4	.256	.252

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

Interface

	SMA Side	BMA Side
According to	IEC 60169-15; CECC22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110	MIL-STD-348B/321; IEC 60169-33
Mechanically Compatible with	3.5mm and 2.92mm	OSP and RPC-SP

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.30 (≥ 17.69 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 5.0 mΩ, BMA Side
Outer Contact Resistance	≤ 2.5 mΩ, SMA Side	≤ 2.5 mΩ, BMA Side
Working Voltage	480 Vrms, SMA Side	335 Vrms, BMA Side
Test Voltage (at sea level)	1000 Vrms	

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	
Washer	Brass	Copper-Tin-Zinc Alloy
Fastening Nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (BMA)	**Material**	**Plating**
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
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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ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

SMA Jack (Female) Bulkhead to BMA Jack (Female) Adapter, DC–18 GHz, VSWR 1.30

AD-A2BA25B-BH / 9X-9X

Mechanical Data

	SMA Side	BMA Side
Coupling Mechanisms	Screw-On	Slide-On
Mating Cycles	≥ 500	≥ 1000
Center Contact Captivation: axial	≥ 27 N	≥ 27 N
Engagement Force	N/A	≤ 13.5 N
Disengagement Force	N/A	≥ 2 N
Recommended Torque	0.8 Nm to 1.1 Nm	N/A
Coupling Torque	max. 1.7 Nm	N/A

Environmental Data

Temperature Range	-65°C to +165°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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