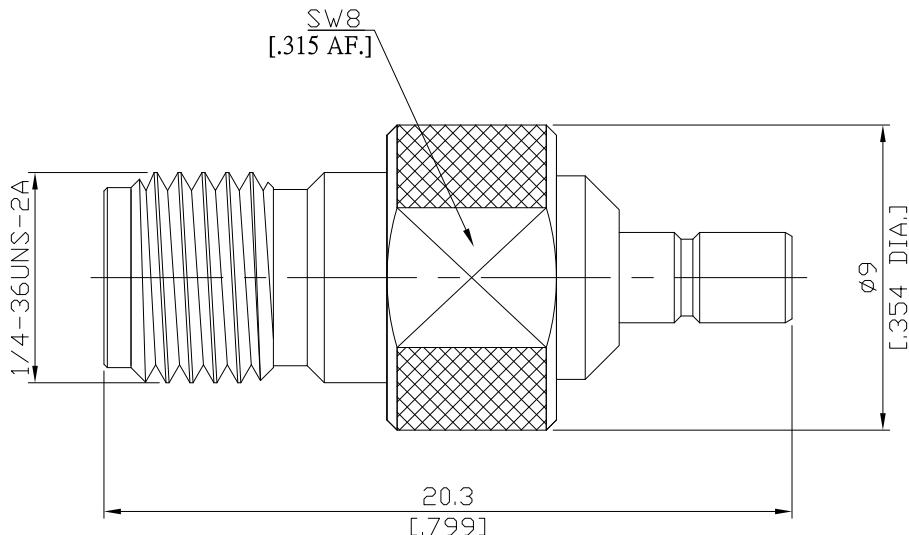


**SMA jack (female) / SSMB jack (female)  
Adapter DC-4GHz VSWR 1.35**
**AD-A2SB25A / 91-91**


All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

SMA according to  
SSMB according to

IEC 60169-15; MIL-STD-348B/310  
MIL-STD-348B/320

**Electrical Data**

Impedance	50 Ω	
Frequency	DC to 4 GHz	
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 5 mΩ, SSMB, Side
Outer Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 2.5 mΩ, SSMB, Side
Test Voltage	750 V rms	
Working Voltage	≤ 250 V rms	
Contact current	1.5 A DC typ.	
RF-leakage	≥ 55 dB up to 1 GHz	

**Material And Plating**

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Piece Parts (SSMB)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	

SMA jack (female) / SSMB jack (female)  
Adapter DC-4GHz VSWR1.35

## AD-A2SB25A / 91-91

## Mechanical Data

	SMA Side	SSMB Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.8 Nm to 1.1 Nm	N/A
Center contact captivation: axial	≥ 10 N	≥ 10 N
Engagement force	N/A	≤ 63 N
Disengagement force	N/A	8 N min. to 63 N max.

## Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

## Packing

Single or 100