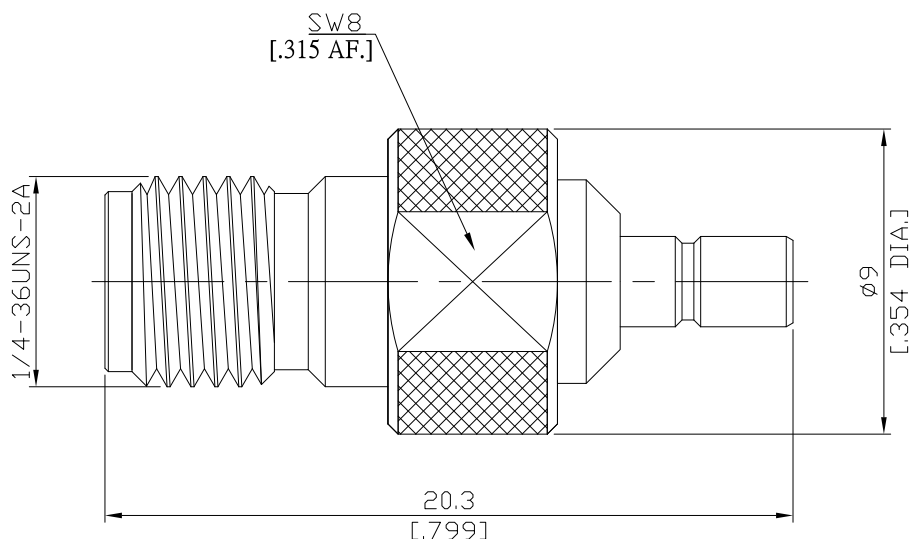


SMA jack (female) / SSMB jack (female)  
Adapter DC-4GHz VSWR1.35

**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