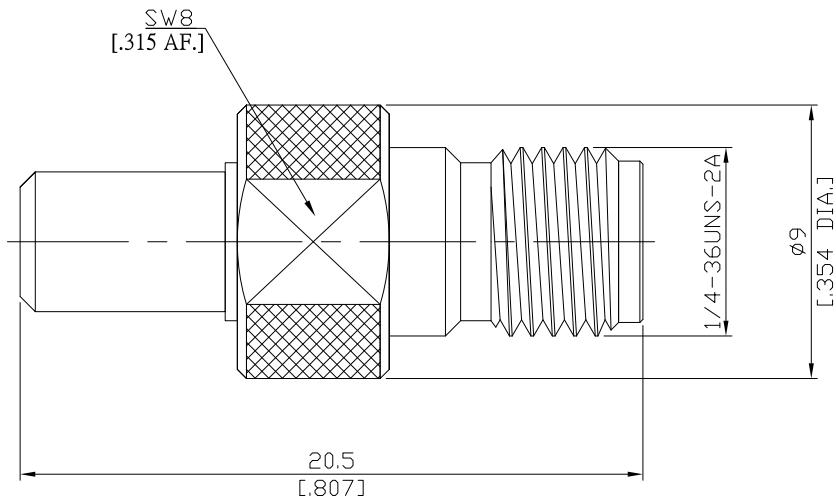


SSMB plug (male) / SMA jack (female)
Adapter DC-4 GHz VSWR1.35

AD-SB1A25A / 911-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SSMB side according to

IEC 60169-10; MIL-STD-348B/320

SMA side according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.5 dB)

Insertion Loss

≤ 0.05 x √f (GHz) dB

Insulation resistance

≥ 1 GΩ

Center contact resistance

≤ 5 mΩ, SSMB side;

≤ 3 mΩ, SMA side

Outer contact resistance

≤ 2.5 mΩ, SSMB side;

≤ 2 mΩ, SMA side

Test voltage

750 V rms, 50 Hz, at sea level

Working voltage

≤ 250 V rms, 50 Hz, at sea level

Contact current

1.5 A DC typ.

RF-leakage

≥ 55 dB up to 1 GHz

Material And Plating

Piece Parts (SSMB)

	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	
Coupling nut	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)

Piece Parts (BNC)

	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

SSMB plug (male) / SMA jack (female)
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Mechanical Data

	SSMB Side	SMA Side
Coupling mechanisms	Snap-lock	Screw-lock
Mating Cycles	min. 500	min. 500
Center contact captivation axial	≥ 10 N	≥ 10 N
Engagement force	≤ 63 N	N/A
Disengagement force	8 N min. to 63 N max.	N/A

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