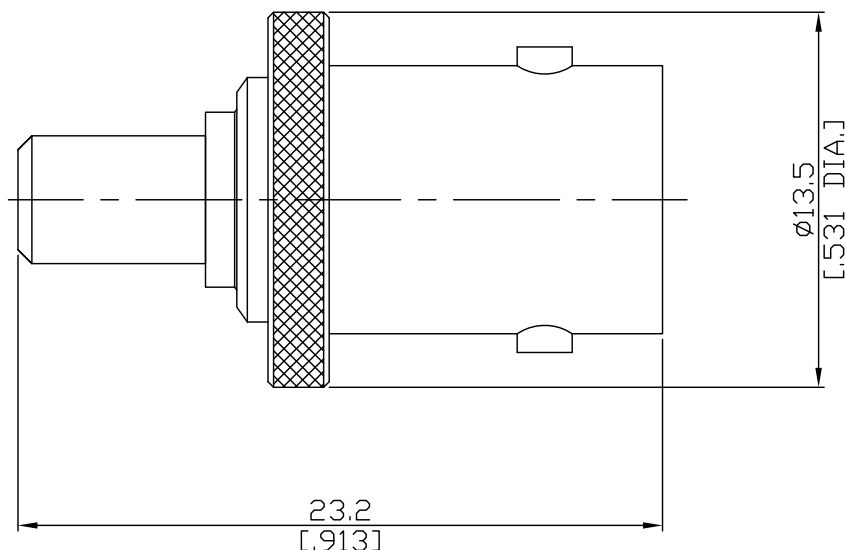


SSMB plug (male) / BNC jack (female)
Adapter DC-4 GHz VSWR1.35

AD-SB1B25A / 911-94



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

BNC side according to

IEC 61169-8; MIL-STD-348B/301

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.5 dB)

Insertion Loss

$\leq 0.05 \times \sqrt{F}$ (GHz) dB

Insulation resistance

≥ 1 G Ω

Center contact resistance

≤ 5 m Ω , SSMB side;

≤ 1.5 m Ω , BNC side

Outer contact resistance

≤ 2.5 m Ω , SSMB side;

≤ 1 m Ω , BNC 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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body		Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator		PTFE	
Coupling nut		Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Piece Parts (BNC)		Material	Plating
Centre contact		Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body		Brass	Copper-Tin-Zinc Alloy
Insulator		PTFE	

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

	SSMB Side	BNC Side
Coupling mechanisms	Snap-lock	Bayonet-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