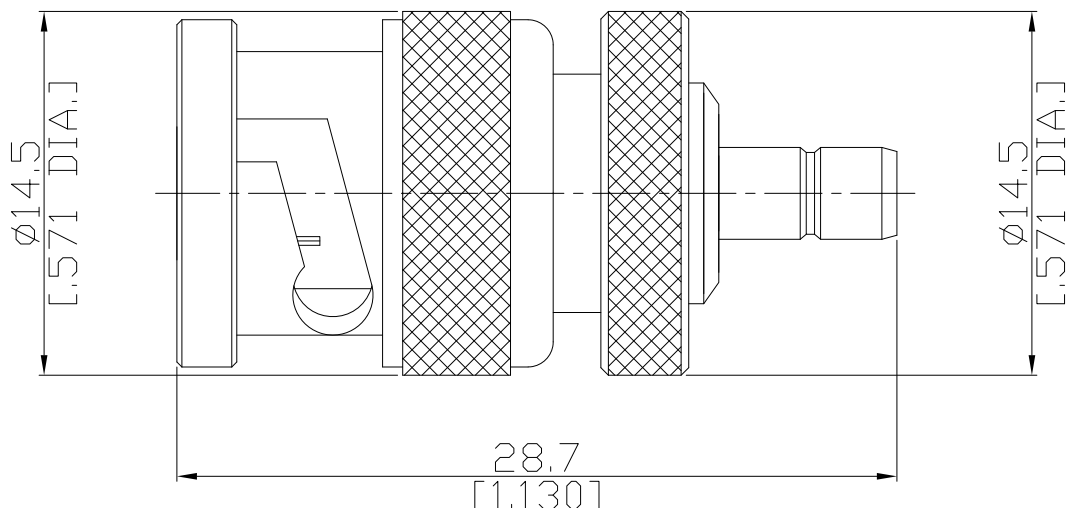


BNC plug (male) / SMB jack (female)
Straight adaptor DC- 4GHz VSWR1.35

AD-B1S25A / 144-11



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

BNC according to

IEC 60169-8; MIL-STD-348B/301

SMB according to

IEC 60169-10; MIL-STD-348B/311

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.54 dB)

Insertion Loss

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

Center contact resistance

≤ 1.5 m Ω , BNC side;

≤ 5 m Ω , SMB

Outer contact resistance

≤ 1 m Ω , BNC side;

≤ 2.5 m Ω , SMB

Material And Plating

Piece Parts (BNC)	Material	Plating
Centre contact	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (SMB)	Material	Plating
Centre contact	Brass	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	

BNC plug (male) / SMB jack (female)
Straight adaptor DC- 4GHz VSWR1.35

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Mechanical Data

Coupling mechanisms	BNC side	SMB side
Mating cycles	Bayonet-lock	Snap-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 15 N	≥ 10 N
Recommended torque	N/A	≤ 63 N
	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
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100