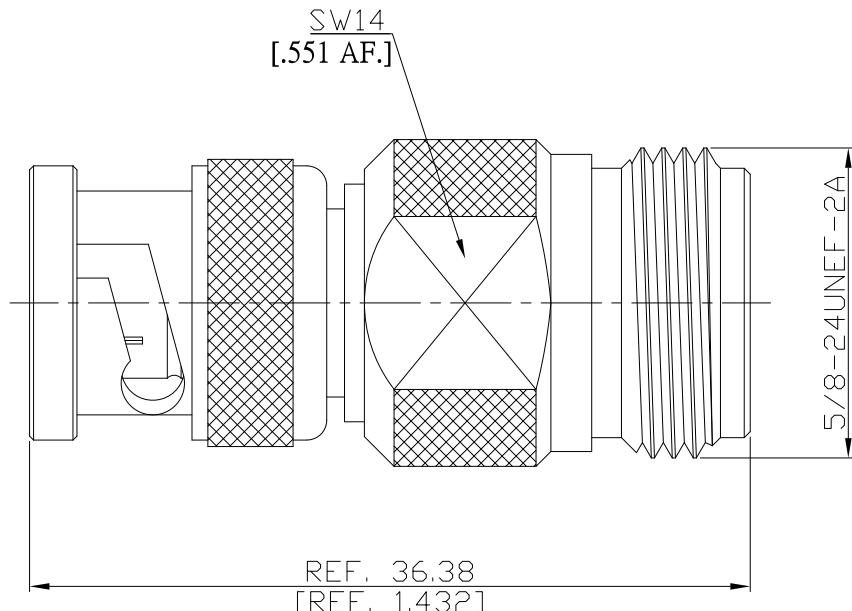


Straight adaptor plug/jack, BNC plug (male) to N jack (female)
DC- 4GHz VSWR1.15

AD-B1N25A / 944-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

BNC side according to

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

N side according to

IEC 61169-16; MIL-STD-348B/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1.5 mΩ, BNC side;

≤ 1 mΩ N side

Outer contact resistance

≤ 1 mΩ, BNC side;

≤ 0.25 mΩ, N side

Test voltage

1500 V rms

Working voltage

400 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

≤ 80 W @ 2 GHz

Material And Plating

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

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Mechanical Data

Coupling mechanisms	BNC side	N side
Mating cycles	Bayonet-lock	Screw-lock
Center contact captivation	min. 500	min. 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	N/A	max. 1.7 Nm
	N/A	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100