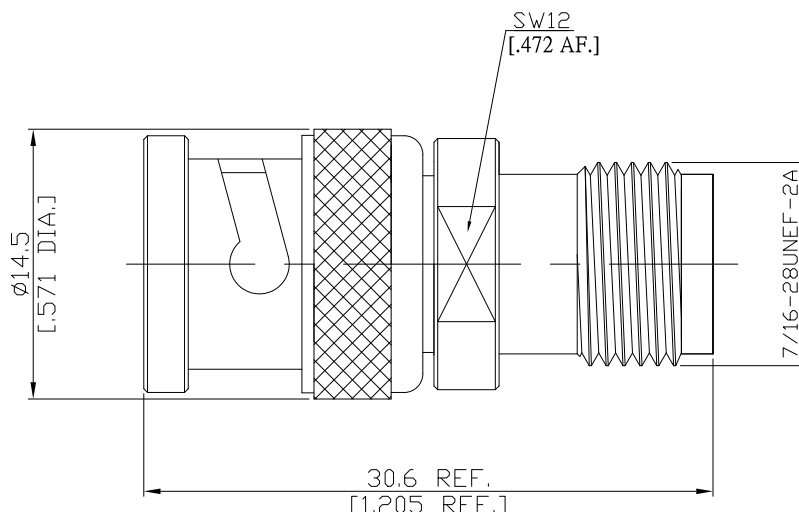


BNC plug (male) / TNC jack (female)
Straight adaptor DC- 4GHz VSWR1.2

AD-B1T25A / 944-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

BNC side according to

IEC 61169-8;CECC 22120;MIL-PRF-39012;BNC Interface MIL-STD-348/301;BS 9210 N 004

TNC side according to

IEC 61169-17;CECC 22 200;MIL-PRF-39012;TNC-Interface MIL-STD-348/313

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.2 (≥ 20.83 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Center contact resistance

≤ 1.5 mΩ, BNC side;

≤ 1.5 mΩ, TNC

Insulation resistance

≥ 5 GΩ

Outer contact resistance

≤ 1 mΩ, BNC side;

≤ 1 mΩ, TNC

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	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 100 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 100 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	BNC side	TNC side
Mating cycles	Bayonet-lock	Screw-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 15 N	≥ 15 N
Recommended torque	N/A	max. 1.7 Nm
	N/A	0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range	-55°C to +155°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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100