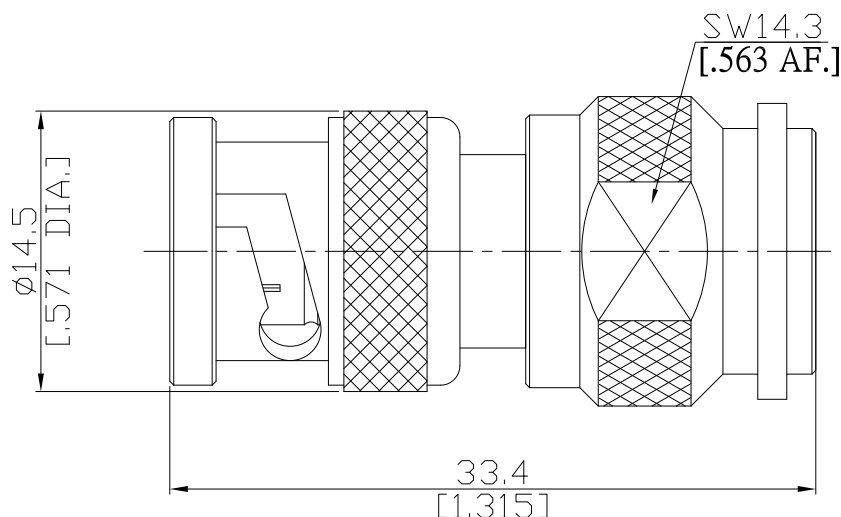


BNC plug (male) / TNC plug (male)
Straight adaptor DC- 4GHz VSWR1.15

AD-B1T15A / 933-933



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

BNC according to

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

TNC according to

IEC 60169-17; MIL-STD-348A/313

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;

≤ 1.5 m Ω , SMB

Outer contact resistance

≤ 1 m Ω , BNC side;

≤ 1 m Ω , SMB

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, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Piece Parts (TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel

BNC plug (male) / TNC plug (male)
Straight adaptor DC- 4GHz VSWR1.15

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Mechanical Data

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

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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100