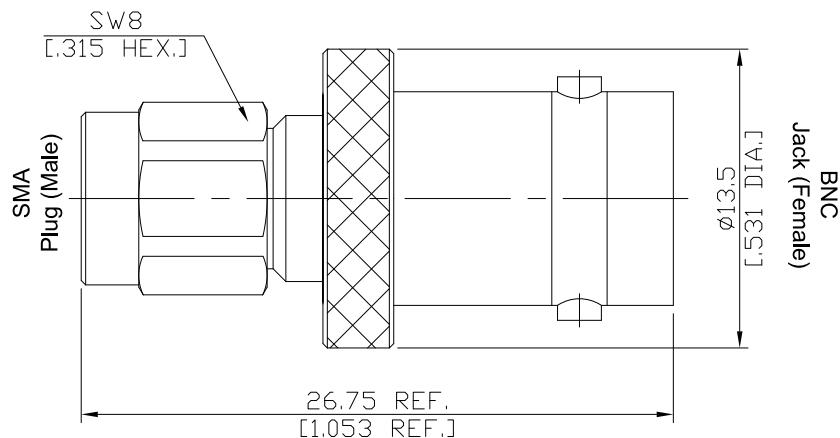




SMA plug (male) / BNC jack (female) Adapter
DC-6 GHz VSWR1.2

AD-A1B25A / H33-H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA side according to IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110
BNC side according to IEC 61169-8; CECC 22120; MIL-PRF-39012; MIL-STD-348B/301; BS 9210 N 004

Electrical Data

Impedance	50 Ω	
Frequency	DC to 6 GHz	
VSWR (Return Loss)	≤ 1.2 (≥ 20.83 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center contact resistance	≤ 3 mΩ, SMA side	≤ 1.5 mΩ, BNC side
Outer contact resistance	≤ 2 mΩ, SMA side	≤ 1.0 mΩ, BNC side
Test Voltage (at sea level)	1000 V rms	
Working Voltage (at sea level)	400 V rms	
RF Leakage	≤ 80 W @ 2 GHz	

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Piece Parts (BNC)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	



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Mechanical Data

Coupling Mechanisms	SMA Side	BNC Side
Mating Cycles	Screw-lock	Bayonet-lock
Center Contact Captivation: axial	min. 500	min. 500
Coupling nut retention	≥ 27 N	≥ 27 N
Coupling test torque	≥ 270 N	N/A
Coupling test torque	max. 1.7 Nm	N/A
	0.8 Nm to 1.1 Nm	N/A

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 D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100