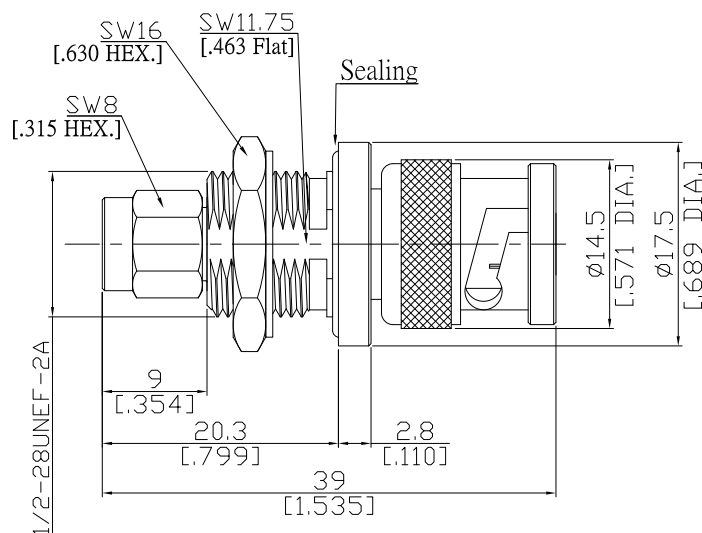


SMA plug (male) / BNC plug (male) Bulkhead adaptor  
DC- 4GHz VSWR1.20

**AD-A1B15A-BH / 133-133**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

SMA according to

IEC 60169-15; MIL-C-39012; MIL-STD-348A/310

BNC side according to

IEC 61169-8; MIL-C-39012; MIL-STD-348A/301

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.8 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 x 10<sup>3</sup> MΩ

Center contact resistance

≤ 3 mΩ, SMA side

≤ 1.5 mΩ, BNC side

Outer contact resistance

≤ 2 mΩ, SMA side

≤ 1 mΩ, BNC side

Test voltage

1000 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 (SMA)	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Fastening nut	Brass	Nickel
Washer	Brass	Nickel
Piece Parts (BNC)	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel

SMA plug (male) / BNC plug (male) Bulkhead adaptor  
DC- 4GHz VSWR1.20

**AD-A1B15A-BH / 133-133**

**Mechanical Data**

	SMA side	BNC side
Coupling mechanisms	Screw-lock	Bayonet-lock
Mating cycles	min. 500	min. 500
Coupling nut retention	≥ 270 N	N/A
Center contact captivation: axial	≥ 27 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.8 Nm to 1.1 Nm	N/A

**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

**Related Document**

Mounting Dimension MD7