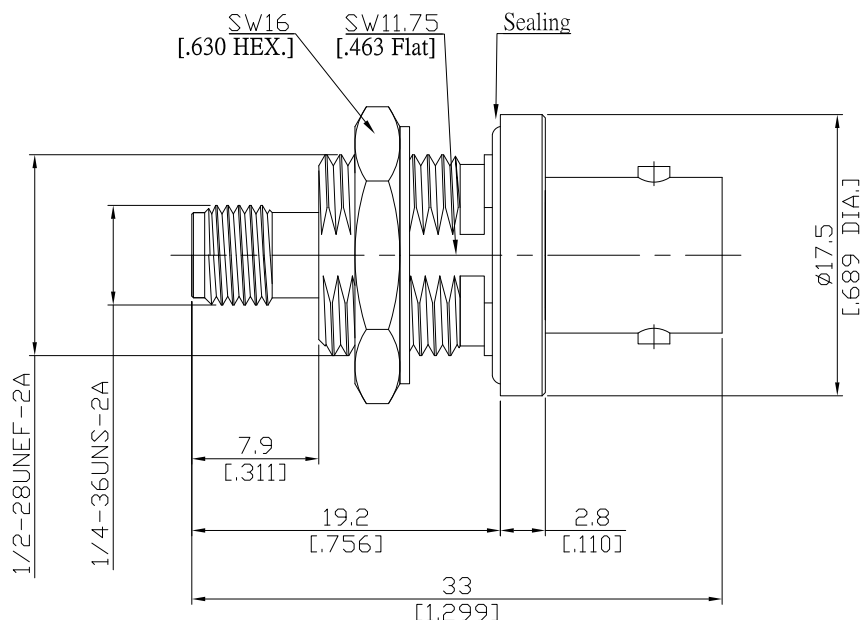


SMA jack (female) / BNC jack (female) Bulkhead adaptor
DC-4GHz VSWR ≤ 1.20

AD-A2B25A-BH / H3-H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

IEC 60169-15; MIL-STD-348B/310

BNC side according to

IEC 61169-8; MIL-STD-348B/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 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

1000 V rms

Working voltage

400 V rms

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

≤ 80 W @ 2 GHz

Material And Plating

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

SMA jack (female) / BNC jack (female) Bulkhead adaptor
DC-4GHz VSWR ≤ 1.20

AD-A2B25A-BH / H3-H3

Mechanical Data

	SMA side	BNC side
Coupling mechanisms	Screw-lock	Bayonet-lock
Mating cycles	min. 500	min. 500
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