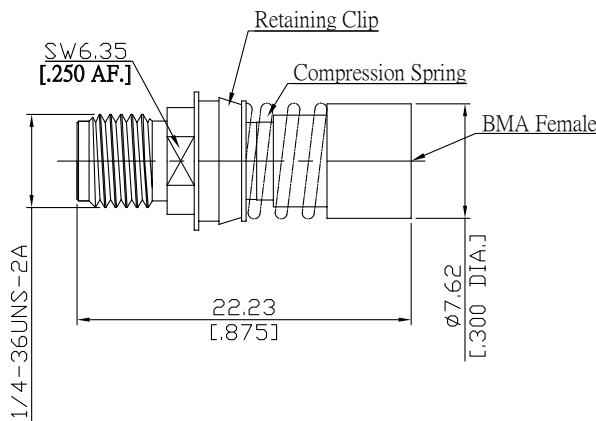
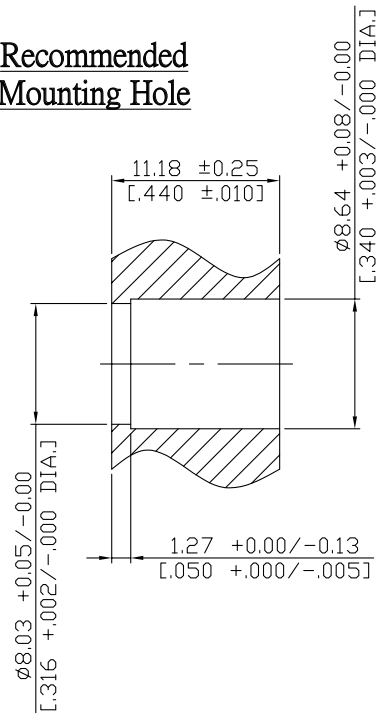


SMA Bulkhead Jack (Female) to BMA Jack (Female) Adapter  
with Compression Spring, DC-18GHz

AD-A2BA25A-BH/9X-9X



**Recommended Mounting Hole**



All dimensions are in mm [inch]  
Tolerances according to DIN ISO 2768-mH

**Interface**

According to	SMA Side IEC 60169-15; MIL-STD-348B/310	BMA Side IEC 61169-33; MIL-STD-348B/321
--------------	--------------------------------------------	--------------------------------------------

**Electrical Data**

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.14 (≥ 23.69 dB)
Insertion Loss	≤ 0.06 × √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
RF Leakage (min.)	-60 dB @ 2.3 GHz
Corona (70,000 ft; min.)	250 V rms
Center Contact Resistance	≤ 4 mΩ
Outer Contact Resistance	≤ 2 mΩ
Withstanding Voltage (at sea level; min.)	1000 V rms
RF High Potential (at sea level; min. @ 5 MHz)	670 V rms

SMA Bulkhead Jack (Female) to BMA Jack (Female) Adapter  
with Compression Spring, DC-18GHz

AD-A2BA25A-BH/9X-9X

**Material And Plating**

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (BMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Compression spring	Stainless Steel	Passivated
Contact ring	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Retaining ring	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)

**Mechanical Data**

	SMA Side	BMA Side
Coupling Mechanisms	Screw-lock	Slide-on
Mating Cycles	≥ 500	≥ 500
Force to Engage	max. 2.0 (in-lbs)	max 3.0 (lbs)
Force to Disengage	max. 2.0 (in-lbs)	max 1.5 (lbs)
Center Contact Captivation: axial	≥ 6 lbs	≥ 6 lbs
Weight	N/A	
Coupling Test Torque	1.7 Nm	N/A
Recommended Torque	0.9 Nm	N/A

**Environmental Data**

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. C
Shock	MIL-STD-202, Meth. 213, Cond. I
Corrosion	MIL-STD-202, Meth. 101, Cond. B (salt spray: 5%)
Vibration	MIL-STD-202, Meth. 204, Cond. D
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Packing**

Single or 100