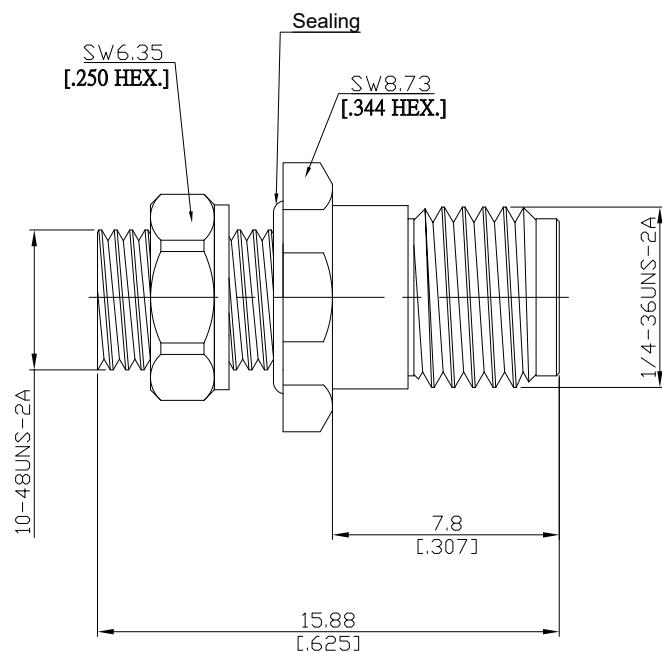


# SMP full detent plug (male) / SMA jack (female) Bulkhead adaptor

## DC-26.5GHz VSWR 1.43

### AD-PF1A25A-BH / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

SMP (smooth bore) according to  
Precision SMA according to

MIL-STD-348B/326  
IEC 60169-15; MIL-STD-348B/310

#### Electrical Data

Impedance	50 Ω	
Frequency	DC to 26.5 GHz	
VSWR (Return Loss)	≥ 1.43 (≥ 15 dB)	
Insertion loss	≤ 0.05 x √F (GHz) dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 6.0 MΩ, SMP side	≤ 3 MΩ, SMA side
Outer contact resistance	≤ 2.0 MΩ, SMP side	≤ 2 MΩ, SMA side
Test voltage	500 V rms	
Working voltage	335 V rms	
Contact Current	1.2A DC max.	

#### Material And Plating

Piece Parts (SMP)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Fastening nut	Stainless Steel	Passivated
Washer	Brass	Copper-Tin-Zinc Alloy
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	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-  
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DC-26.5GHz VSWR 1.43**

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**Mechanical Data**

	SMP side	SMA side
Coupling mechanisms	Snap-on	Screw-lock
Mating cycles	≥ 100	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force	None	N/A
- limited detent	45 N max.	None
Disengagement force	None	N/A
- limited detent	9 N min.	None
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm

**Environmental Data**

Temperature Range	-55°C to +125°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

**Packing**

Single or 100