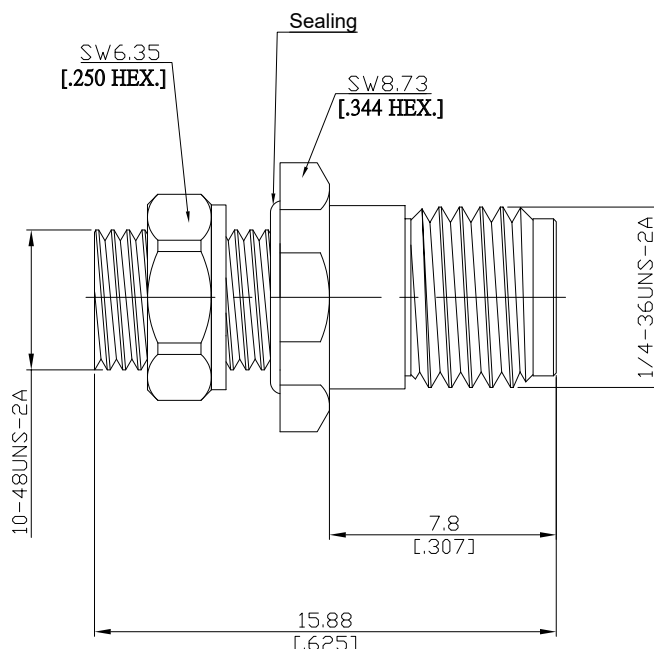


SMP full detent plug (male) / SMA jack (female) Bulkhead adaptor
DC-26.5GHz VSWR 1.43

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 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
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 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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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