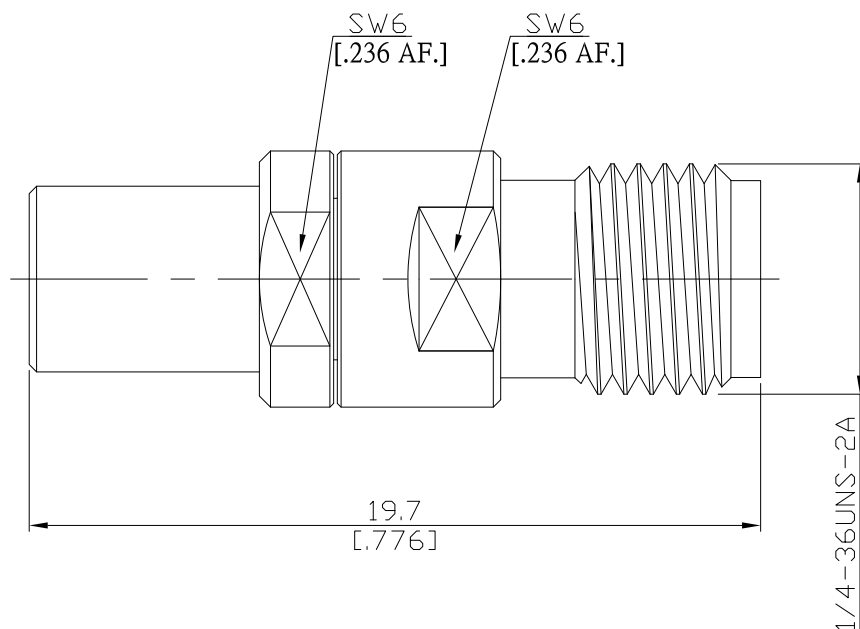


SMP Full Detent plug (male) / Precision SMA (female)  
Straight Adaptor DC-27 GHz, VSWR ≤ 1.15

**AD-PF1PCA25A / 9X-9X**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

SMP (Full Detent) according to

MIL-STD-348B/326

Precision SMA according to

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

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.15 (> 23.1 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 6.0 mΩ, SMP side;

≤ 3 mΩ, Precision SMA side

Outer contact resistance

≤ 2.0 mΩ, SMP side;

≤ 2 mΩ, Precision 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	
Piece Parts (Precision SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

SMP Full Detent plug (male) / Precision SMA (female)  
Straight Adaptor DC-27 GHz, VSWR ≤ 1.15

**AD-PF1PCA25A / 9X-9X**

**Mechanical Data**

	SMP side	Precision SMA side
Coupling mechanisms	Snap-on	Screw-lock
Mating cycles	≥ 100	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force		
- Full detent	≤ 68 N max.	None
Disengagement force		
- Full detent	≥ 22 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	-65°C to +155°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