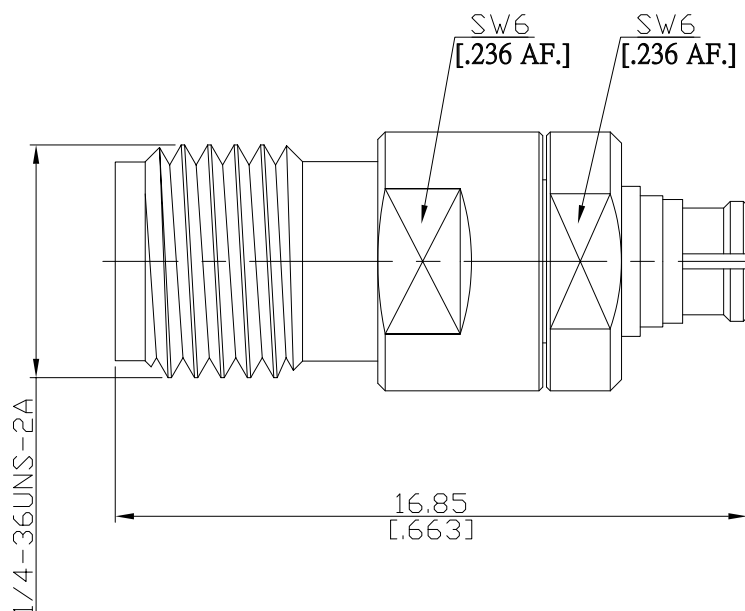


Precision SMA Jack (Female) to SMP Jack (Female) Adapter  
DC-27GHz VSWR1.15

**AD-PCA2P25A / 9X-99**



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

**Interface**

Mechanically compatible with  
According to

Precision SMA Side  
2.92mm and 3.5mm  
IEC 60169-15, MIL-STD-348B/310

SMP Side  
GPO  
MIL-STD-348B/326

**Electrical Data**

Impedance 50  $\Omega$   
Frequency DC to 27 GHz  
VSWR (Return Loss)  $\leq 1.15$  ( $\geq 23.13$  dB)  
Insertion Loss  $\leq 0.05 \times \sqrt{f}$  (GHz) dB

**Material And Plating**

Piece Parts (Precision SMA)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (SMP)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Insulator	PEI	

Precision SMA Jack (Female) to SMP Jack (Female) Adapter  
DC-27GHz VSWR1.15

# AD-PCA2P25A / 9X-99

## Mechanical Data

	Precision SMA Side	SMP Side
Coupling mechanisms	Screw-lock	Snap-on
Mating Cycles	≥ 500	if mating part is Smooth Bore, Catcher's Mitt ≥ 1000 if mating part is Limited Detent ≥ 500 if mating part is Full Detent ≥ 100
Center Contact Captivation	≥ 20 N	≥ 7 N
Engagement Force	None	Smooth Bore, Catcher's Mitt ≤ 9 N Limited Detent ≤ 45 N Full Detent ≤ 68 N
Disengagement Force	None	Smooth Bore, Catcher's Mitt ≥ 2.2 N Limited Detent ≥ 9 N Full Detent ≥ 22N
Coupling Test Torque	1.65 Nm max.	None
Recommended Torque	0.9 Nm	None

## Environmental Data

Temperature Range	-55°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

## Packing

Standard	Single
Weight	N/A