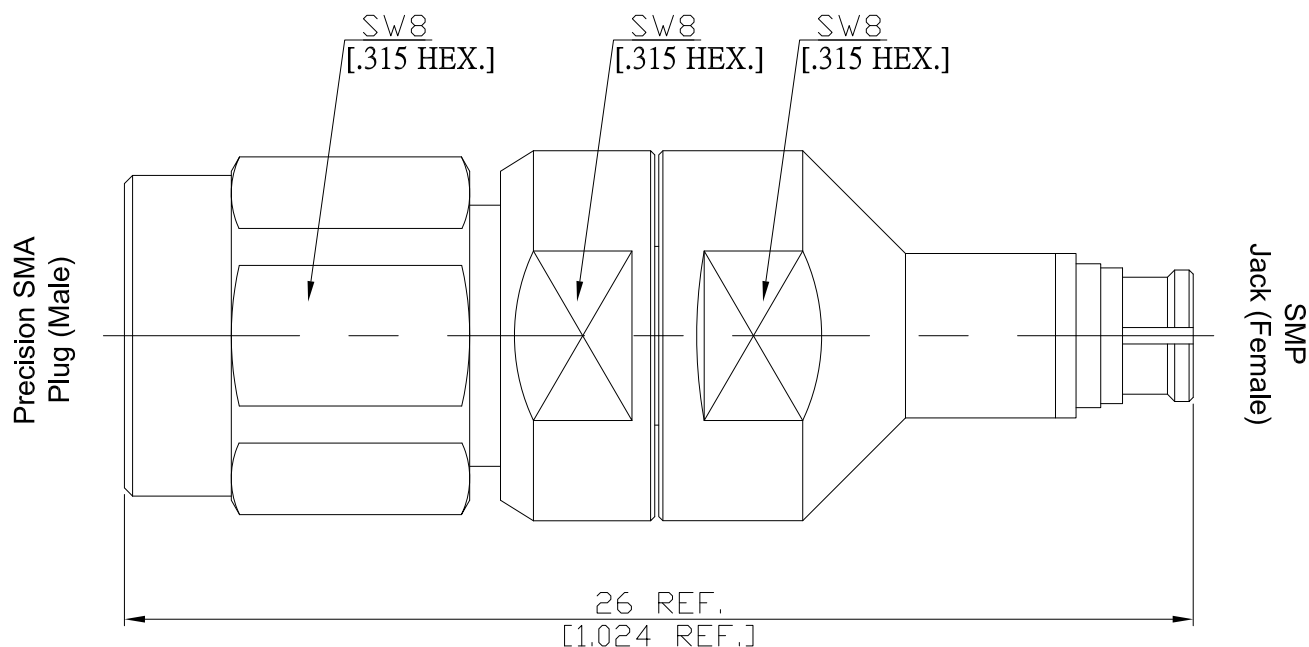


Precision SMA plug (male) to SMP Jack (Female) Adapter
DC-26.5GHz VSWR1.15

AD-PCA1P25B / 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 Ω

Frequency

DC to 26.5 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (SMP)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator	PEI	

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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