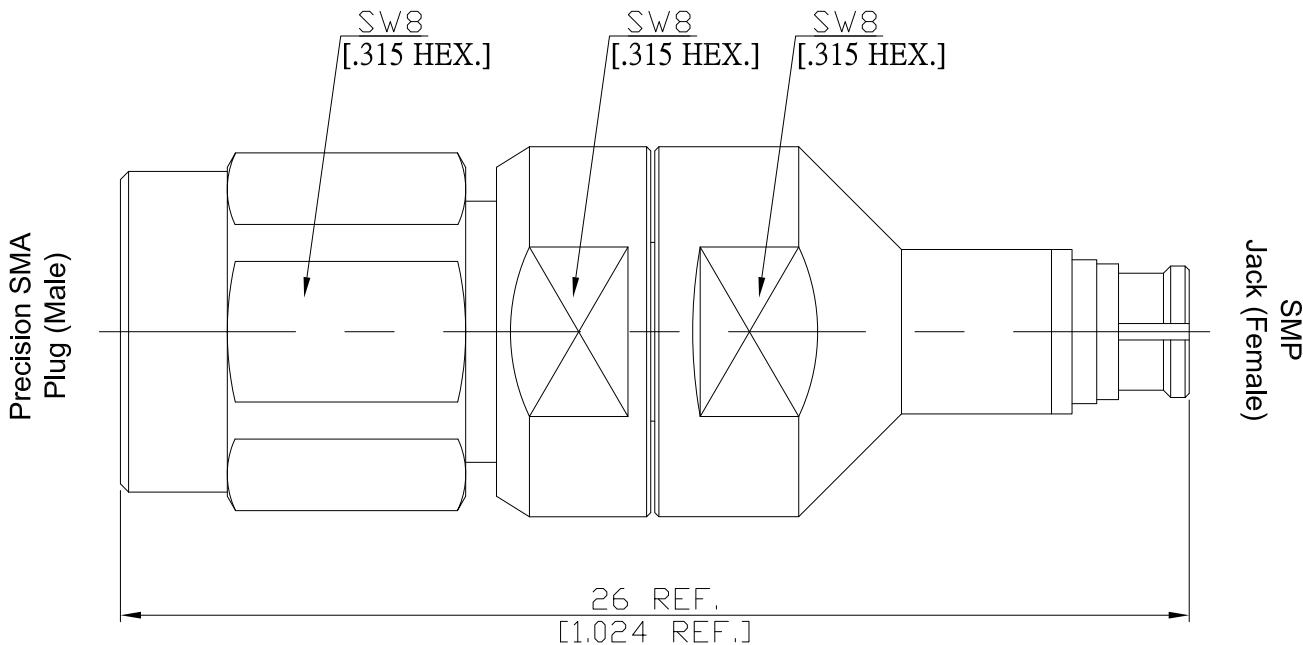


Precision SMA plug (male) to SMP Jack (Female) Adapter
DC-26.5GHz VSWR1.15

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

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Mechanical Data

Coupling mechanisms	Precision SMA Side Screw-lock	SMP Side Snap-on if mating part is Smooth Bore, Catcher's Mitt \geq 1000 if mating part is Limited Detent \geq 500 if mating part is Full Detent \geq 100
Mating Cycles	\geq 500	\geq 7 N Smooth Bore, Catcher's Mitt \leq 9 N Limited Detent \leq 45 N Full Detent \leq 68 N
Center Contact Captivation	\geq 20 N	\geq 7 N Smooth Bore, Catcher's Mitt \leq 9 N Limited Detent \leq 45 N Full Detent \leq 68 N
Engagement Force	None	Smooth Bore, Catcher's Mitt \geq 2.2 N Limited Detent \geq 9 N Full Detent \geq 22N
Disengagement Force	None	None
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