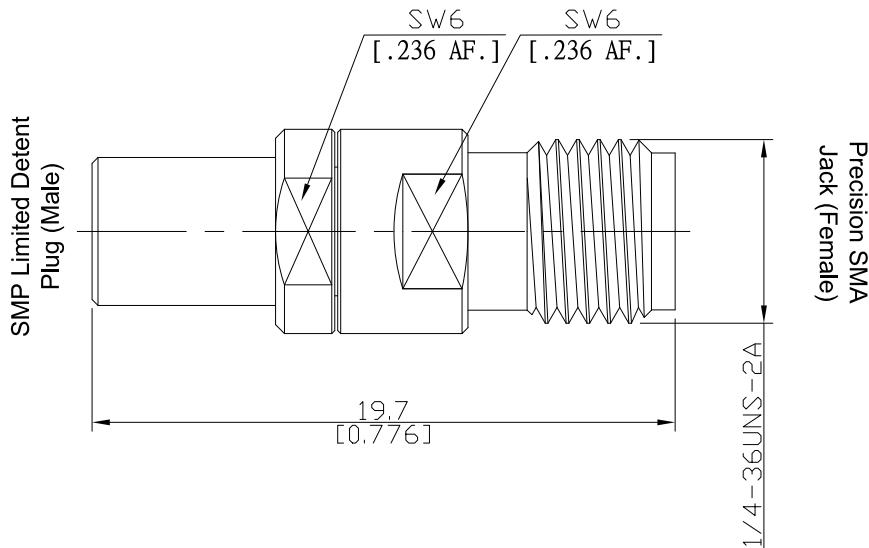


SMP Limited Detent plug (male) / Precision SMA (female)
Straight Adaptor DC-27 GHz, VSWR ≤ 1.15

AD-PLD1PCA25A / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMP (Limited Detent) according to

MIL-PRF-31031; MIL-STD-348B/326; IEC 61169-44

Precision SMA according to

IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/405

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

$\leq 1.15 (> 23.13 \text{ dB})$

Insertion Loss

$\leq 0.05 \times \sqrt{F} \text{ (GHz)} \text{ dB}$

Insulation resistance

$\geq 5 \text{ G}\Omega$

Center contact resistance

$\leq 6.0 \text{ m}\Omega, \text{ SMP side};$

$\leq 3 \text{ m}\Omega, \text{ Precision SMA side}$

Outer contact resistance

$\leq 2.0 \text{ m}\Omega, \text{ SMP side};$

$\leq 2 \text{ m}\Omega, \text{ Precision SMA side}$

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 (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (Precision SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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Mechanical Data

	SMP Limited Detent side	Precision SMA side
Coupling mechanisms	Snap-on	Screw-lock
Mating cycles	≥ 500	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force	≤ 45 N	N/A
Disengagement force	≥ 9 N	N/A
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