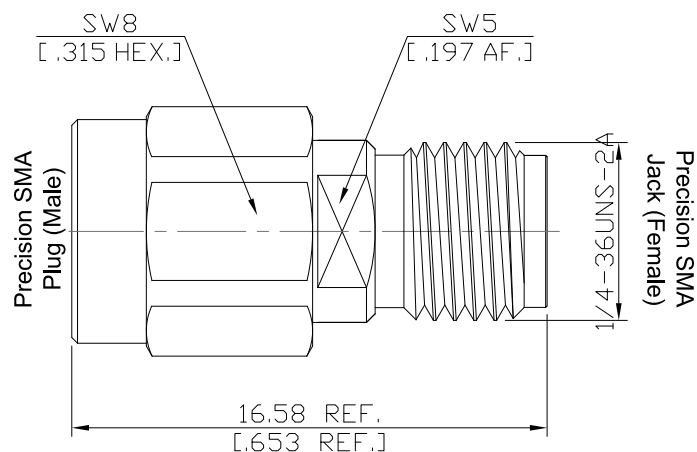


Precision SMA Plug (Male) to Precision SMA Jack (Female), Straight Adapter,
DC-27 GHz, VSWR 1.15

AD-PCA1PCA25C / 111-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110

Mechanically compatible with

2.92mm, 3.5mm

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.03 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3mΩ

Outer Contact Resistance

≤ 2mΩ

Test Voltage (at sea level)

1000 V rms

Working Voltage (at sea level)

480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

≤ 200 W @ 2 GHz

RF Leakage

≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (Precision SMA)	Material	Plating
Centre Contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Piece Parts (Precision SMA)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Screw-On
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 27 N
radial	≥ 3 Ncm.
Coupling Test Torque	max. 1.70 Nm
Recommended Torque	0.57 Nm

Environmental Data

Temperature Range	-65°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

Single or 100

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