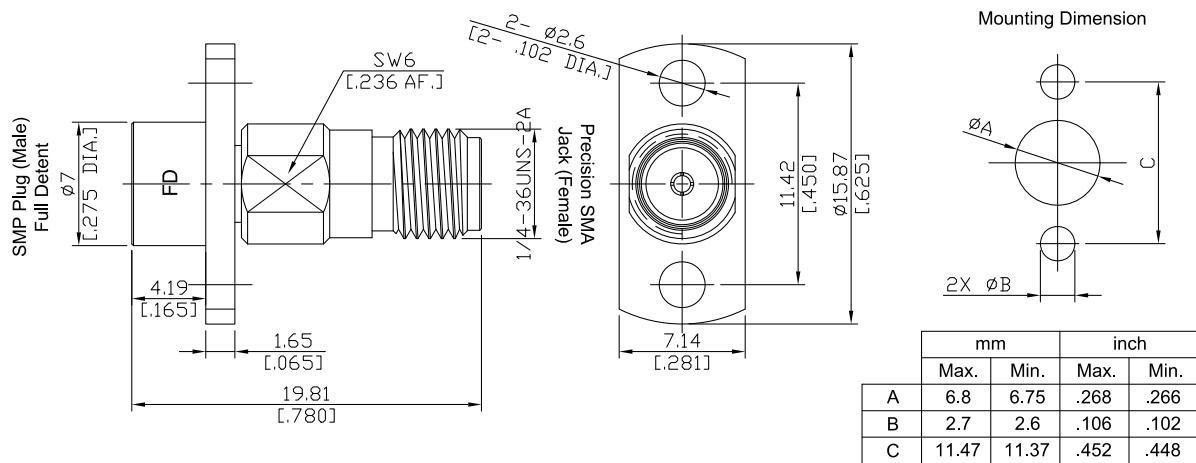


**SMP Full Detent Plug (Male) to Precision SMA Jack (Female)
2-Hole Flange Panel Mount Adapter, DC-27 GHz, VSWR ≤ 1.20**

AD-PFD1PCA25A-PT / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMP (Full 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/310; EN 122110

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 6.0 mΩ, SMP side;

≤ 3 mΩ, Precision SMA side

Outer contact resistance

≤ 2.0 mΩ, SMP side;

≤ 2 mΩ, 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

Coupling mechanisms	SMP (Full Detent) side	Precision SMA side
Mating cycles	Snap-On	Screw-lock
Center contact captivation: axial	≥ 500	min. 500
Engagement force	≥ 27 N	≥ 27 N
Disengagement force	≤ 68 N	N/A
Coupling test torque	≥ 22 N	N/A
Recommended torque	N/A	max. 1.7 Nm

Environmental Data

Temperature Range	-65°C to +165°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