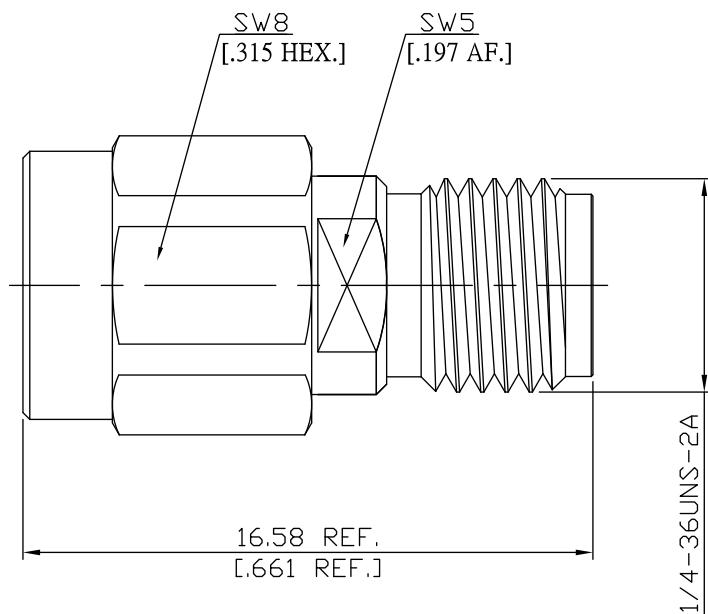


Precision SMA Plug (Male) to Precision SMA Jack (Female) Adapter
DC-27GHz VSWR1.15

AD-PCA1PCA25C / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Mechanically compatible with

2.92mm, 3.5mm

According to

IEC 60169-15, MIL-STD-348B/310

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.15 (\geq 23.13 dB)

Insertion Loss

≤ 0.04 $\times \sqrt{f}$ (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

Beryllium Copper

Gold plating, 3 pinch
(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Stainless Steel

Passivated

Piece Parts (Precision SMA)**Material****Plating**

Centre contact

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(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

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AD-PCA1PCA25C / 9XX-9X

Mechanical Data

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

Single or 100