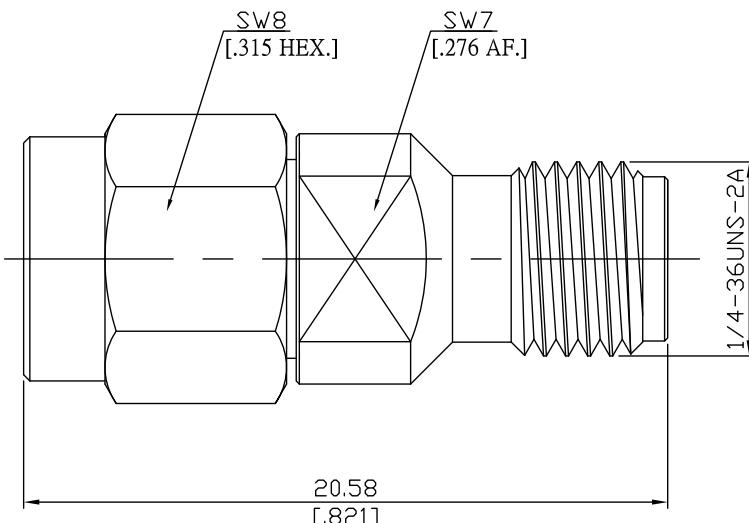


Precision SMA Plug (Male) to Precision SMA Jack (Female) Adapter
 DC-27GHz VSWR1.15

AD-PCA1PCA25B / 911-91


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

 \geq 5 GΩ

Center Contact Resistance

 \leq 3 mΩ

Outer Contact Resistance

 \leq 2 mΩ

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)

 \leq 200 W @ 2 GHz

RF Leakage

 \geq 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

Brass

Gold plating, 3 pinch

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

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Gold plating, 3 pinch

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

Piece Parts (Precision SMA)
Material
Plating

Centre contact

Beryllium Copper

Gold plating, 3 pinch

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

Body

Brass

Gold plating, 3 pinch

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

Insulator

PTFE

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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