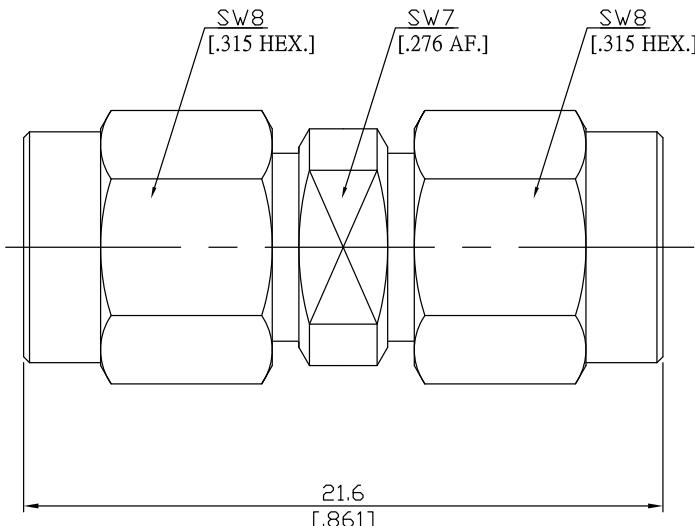


Precision SMA Plug (Male) to Precision SMA Plug (Male) Adapter  
DC-27GHz VSWR1.15

## AD-PCA1PCA15A / 933-933



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 (SMA)

## Material

## Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

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

Body

Brass

Nickel

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Nickel

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## Material

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

AD-PCA1PCA15A / 933-933

## 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