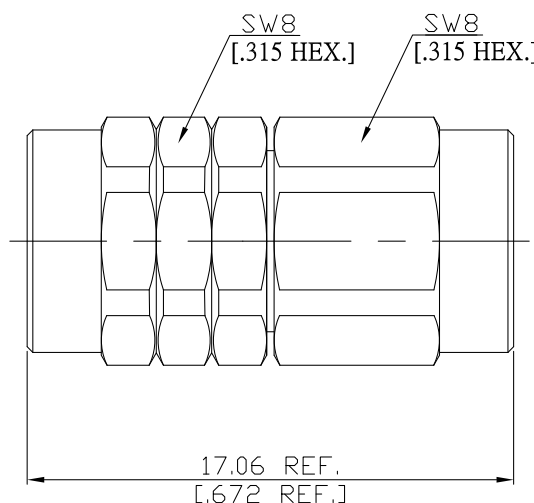


1.85mm plug (male) / Precision SMA plug (male)  
Adaptors Straight DC-27GHz VSWR1.15

**AD-V1PCA15A / 9XX-9XX**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

1.85mm according to

IEC 61169-32

Precision SMA according to

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

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

**Mechanical Data**

Coupling mechanisms

1.85mm Side

Precision SMA Side

Mating cycles

Screw-lock

Screw-lock

Center Contact Captivation

min. 500

min. 500

Coupling test torque

≥ 20 N

≥ 27 N

Recommended torque

1.65 Nm

max. 1.7 Nm

0.80 Nm to 1.10 Nm

0.8 Nm to 1.1 Nm

**Environmental Data**

Temperature Range

-60°C to +100°C

RoHS

compliant

**Material And Plating**

**Piece Parts (1.85mm)**

Piece Parts (1.85mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Coupling nut	Stainless Steel	Passivated

**Piece Parts (Precision SMA)**

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	PS	
Coupling nut	Stainless Steel	Passivated

**Packing**

Single or 100