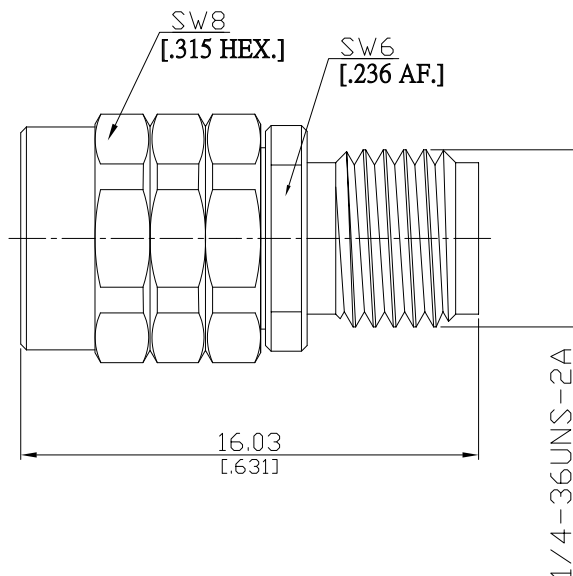


1.85mm plug (male) / Precision SMA jack (female)
DC-27GHz VSWR1.15

AD-V1PCA25A / 9XX-9X



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

$\leq 0.05 \times \sqrt{f}$ (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)

Centre contact

Material

Beryllium Copper

Plating

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

Body

Stainless Steel

Passivated

Insulator

PS

Coupling nut

Stainless Steel

Passivated

Piece Parts (Precision SMA)

Centre contact

Material

Beryllium Copper

Plating

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

Body

Stainless Steel

Passivated

Insulator

PS

Packing

Single or 100