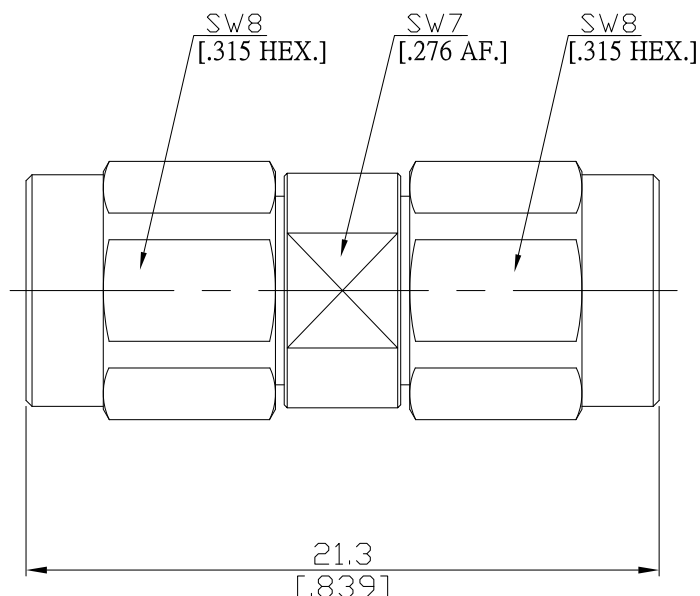


3.5mm plug (male) / Precision SMA plug (male)
Adapter Straight DC-27 GHz VSWR1.15

AD-PC1PCA15A / 9XX-9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

3.5mm according to

IEC 60169-23

Precision SMA according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Test voltage

1000 V rms

RF-leakage

≥ 100 dB up to 1 GHz

Material And Plating

| Piece Parts (3.5mm) | | Material | Plating |
|-----------------------------|--|------------------|--|
| Centre contact | | Beryllium Copper | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body | | Stainless Steel | Passivated |
| Insulator | | PS | |
| Gasket | | Silicone Rubber | |
| Coupling nut | | Stainless Steel | Passivated |
| Piece Parts (Precision SMA) | | Material | Plating |
| Centre contact | | Beryllium Copper | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body | | Stainless Steel | Passivated |
| Insulator | | PTFE | |
| Coupling nut | | Stainless Steel | Passivated |

3.5mm plug (male) / Precision SMA plug (male)
Adapter Straight DC-27 GHz VSWR1.15

AD-PC1PCA15A / 9XX-9XX

Mechanical Data

| | | |
|----------------------------|--------------------|--------------------|
| Coupling mechanisms | 3.5mm side | Precision SMA side |
| Mating Cycles | Screw-lock | Screw-lock |
| Center contact captivation | ≥ 500 | ≥ 500 |
| Coupling test torque | ≥ 28 N | ≥ 27 N |
| Recommended Torque | 1.70 Nm | max. 1.7 Nm |
| | 0.80 Nm to 1.10 Nm | 0.8 Nm to 1.1 Nm |

Environmental Data

| | |
|---------------------|---------------------------------|
| Temperature Range | -65°C to +125°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion | MIL-STD-202, Meth. 204, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. D |
| Shock | MIL-STD-202, Meth. 213, Cond. I |
| Moisture Resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Packing

Single or 100