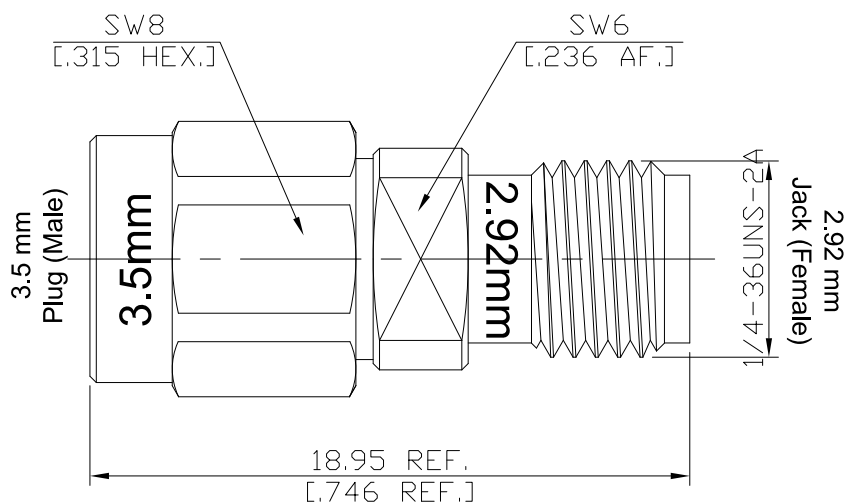


3.5mm Plug (Male) / 2.92mm Jack (Female)
Adapter Straight DC-34.5 GHz VSWR1.2

AD-PC1K25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

| | |
|------------------------------|----------------------------|
| 3.5mm According to | IEC 60169-23; IEEE Std 287 |
| Mechanically compatible with | 2.92mm, SMA |
| 2.92mm according to | IEC 61169-35; IEEE Std 287 |
| Mechanically compatible with | 3.5mm, SMA |

Electrical Data

| | |
|--------------------------------|----------------------|
| Impedance | 50 Ω |
| Frequency | DC to 34.5 GHz |
| VSWR (Return Loss) | ≤ 1.2 (≥ 20.83 dB) |
| Insertion Loss | ≤ 0.05 × √F (GHz) dB |
| Center Contact Resistance | ≤ 3 mΩ |
| Outer Contact Resistance | ≤ 2 mΩ |
| Insulation resistance | ≥ 5 GΩ |
| Test voltage (at sea level) | 750 V rms |
| Working voltage (at sea level) | 250 V rms |
| RF-leakage | ≥ 100 dB up to 1 GHz |
| Power Handling | 22W |

Material And Plating

| Piece Parts (3.5mm) | Material | Plating |
|----------------------|------------------|---|
| Centre contact | Beryllium Copper | Gold plating (Non-magnetic nickel-phosphorus underplating) |
| Body | Stainless Steel | Passivated |
| Insulator | PEI | |
| Coupling nut | Stainless Steel | Passivated |
| Gasket | Silicone | |
| Piece Parts (2.92mm) | Material | Plating |
| Centre contact | Beryllium Copper | Gold plating (Non-magnetic nickel-phosphorus underplating) |
| Body | Stainless Steel | Passivated |
| Insulator | PEI | |

3.5mm Plug (Male) / 2.92mm Jack (Female)
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Mechanical Data

| | | |
|----------------------------|--------------------------|---------------------------|
| Coupling mechanisms | 3.5mm side Screw-lock | 2.92mm side Screw-lock |
| Mating Cycles | ≥ 500 | ≥ 500 |
| Center contact captivation | ≥ 20 N | ≥ 20 N |
| Coupling test torque | 1.70 Nm | max. 1.70 Nm |
| Recommended Torque | 0.80 Nm to 1.10 Nm | 0.80 Nm to 1.10 Nm |

Environmental Data

| | |
|---------------------|---------------------------------|
| Temperature Range | -55°C to +165°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