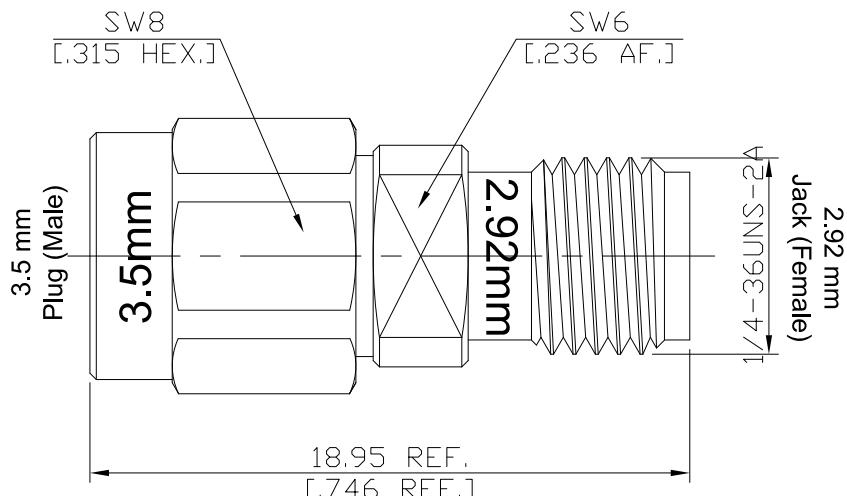


3.5mm Plug (Male) / 2.92mm Jack (Female)
Adapter Straight DC-34.5 GHz VSWR1.2

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 x √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)
 Adapter Straight DC-34.5 GHz VSWR1.2

AD-PC1K25A / 9XX-9X

Mechanical Data

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