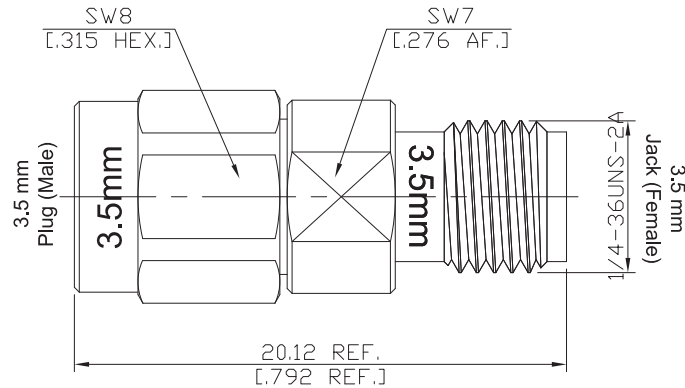


3.5mm Plug (Male) to 3.5mm Jack (Female) Adapter
DC-34.5GHz VSWR1.15

AD-PC1PC25A / 9XX-9X



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 60169-23; IEEE Std 287
Mechanically compatible with 2.92mm, SMA

Electrical Data

Impedance 50 Ω
Frequency DC to 34.5 GHz
VSWR (Return Loss) ≤ 1.15 (≥ 23.13 dB)
Insertion Loss ≤ 0.04 x √F (GHz) dB
Insulation Resistance ≥ 5 GΩ
Test Voltage (at sea level) 1000 V rms
Working Voltage (at sea level) 335 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 (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts (3.5mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	

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DC-34.5GHz VSWR1.15

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100