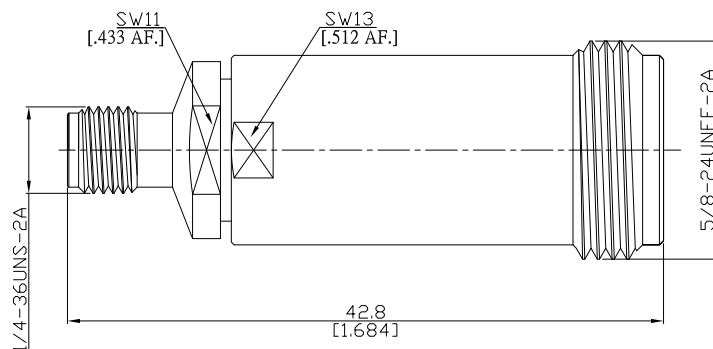


3.5mm Female to Precision N Female Adapter
DC-18GHz VSWR1.15

AD-PC2PCN25A / 9X-9X



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

Interface

Mechanically compatible with

According to

3.5mm Side
SMA, 2.92mm

IEC 60169-23; IEEE Std 287

Precision N Side

N/A

IEC 61169-16; MIL-STD 348A/402;
IEEE Std 287

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.15 (≥ 23.13 dB)
Insertion Loss	$\leq 0.05 \times \sqrt{f}$ (GHz) dB
Insulation Resistance	≥ 5 G Ω
Test Voltage (at sea level)	1000 V rms
Working Voltage (at sea level)	335 V rms
RF Leakage	≥ 90 dB up to 1 GHz

Material And Plating

Piece Parts (3.5mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Piece Parts (Precision N)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PEI	

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Mechanical Data

	3.5mm Side	Precision N Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Center Contact Captivation	≥ 28 N	≥ 28 N
Coupling Test Torque	1.70 Nm max.	1.70 Nm max.
Recommended Torque	0.9 Nm	1.36 Nm

Environmental Data

Temperature Range	-40°C to +85°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

Standard	Single
Weight	N/A