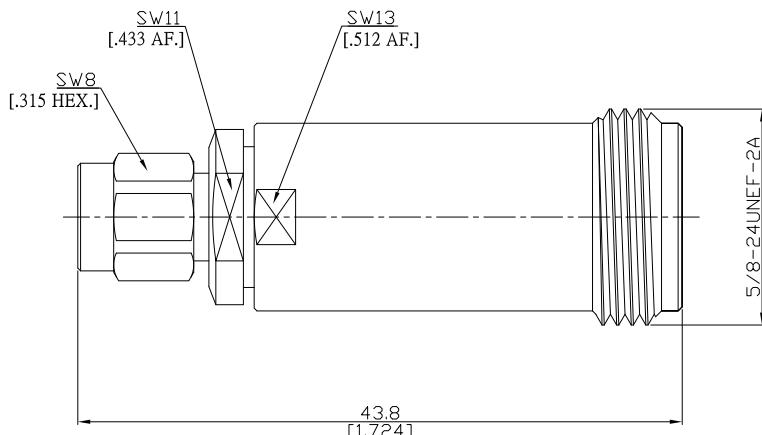


## 3.5mm Male to Precision N Female Adapter

### DC-18GHz VSWR1.15

# AD-PC1PCN25A / 9XX-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  
Frequency  
VSWR (Return Loss)  
Insertion Loss  
Insulation Resistance  
Test Voltage (at sea level)  
Working Voltage (at sea level)  
RF Leakage

50 Ω  
DC to 18 GHz  
≤ 1.15 (≥ 23.13 dB)  
≤ 0.05 x √F (GHz) dB  
≥ 5 GΩ  
1000 V rms  
335 V rms  
≥ 90 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 N)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PS	

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

## AD-PC1PCN25A / 9XX-9X

## Mechanical Data

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