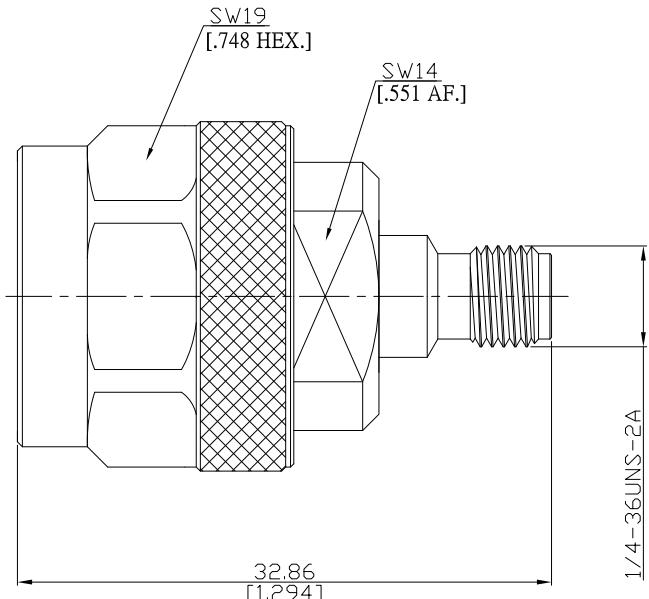


Precision N Plug (Male) to SMA Jack (Female)  
Straight Adapter DC-18 GHz VSWR≤ 1.15

## AD-PCN1A25B / 9XX-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

Precision N according to

IEC 60169-16; MIL-STD-348/304; CECC 22 210

SMA according to

IEC 60169-15; CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

## Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR	≤ 1.15 (≥ 23.13 dB)	
Insertion loss	≤ 0.1 x √F (GHz) dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 1 mΩ, Precision N side;	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 0.25 mΩ, Precision N side;	≤ 2 mΩ, SMA side
Test voltage	1000 V rms	
Working voltage	480 V rms	
RF-leakage	≥ 90 dB up to 1 GHz	

## Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)
Insulator	PTFE	

Precision N Plug (Male) to SMA Jack (Female)  
Straight Adapter DC-18 GHz VSWR≤ 1.15

## AD-PCN1A25B / 9XX-91

## Mechanical Data

Coupling mechanisms	Precision N side	SMA side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation	min. 500	min. 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	1.70 Nm	1.70 Nm
	0.70 Nm to 1.10 Nm	0.80 Nm to 1.10 Nm

## Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, 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