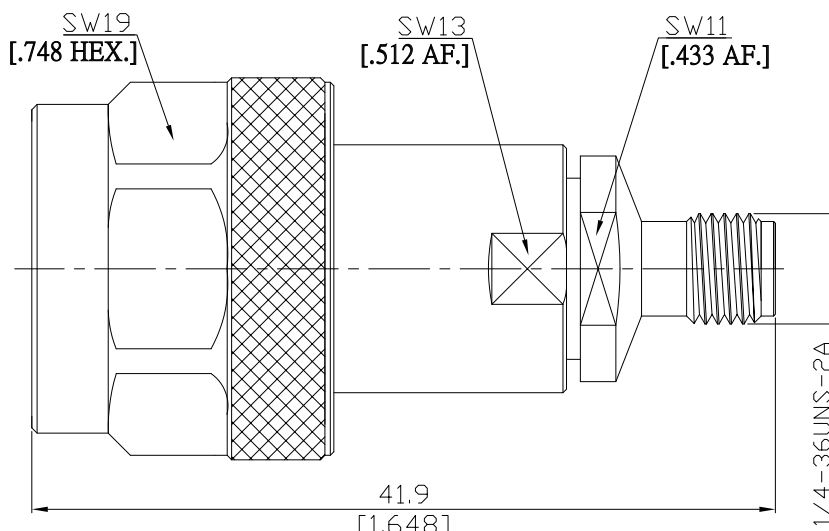


Precision N plug (male) / 2.92mm jack (female)
Straight Adaptor DC-18 GHz VSWR ≤ 1.15

AD-PCN1K25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Precision N according to
2.92mm according to

IEC 60169-16; MIL-STD 348B/402
IEC 61169-35

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.4 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1.0 mΩ, Precision N Side

≤ 3.0 mΩ, Precision TNC Side

Outer Contact Resistance

≤ 1.0 mΩ, Precision N Side

≤ 2.0 mΩ, Precision TNC Side

Test Voltage (at sea level)

750 V rms

Working Voltage (at sea level)

250 V rms

RF-leakage

≥ 90 dB up to 1 GHz

Material And Plating

Piece Parts (Precision N)

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	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated

Piece Parts (2.92mm)

Piece Parts (2.92mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PS	

Precision N plug (male) / 2.92mm jack (female)
Straight Adaptor DC-18 GHz VSWR ≤ 1.15

AD-PCN1K25A / 9XX-9X

Mechanical Data

Coupling mechanisms	Precision N Side	2.92mm Side
Mating Cycles	Screw-lock	Screw-lock
Coupling Nut Retention	≥ 500	≥ 500
Center Contact Captivation: axial	N/A	N/A
Coupling Test Torque	≥ 27 N	≥ 28 N
Recommended Torque	1.7 Nm max.	1.70 Nm
	0.70 Nm to 1.10 Nm	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-60°C to +100°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