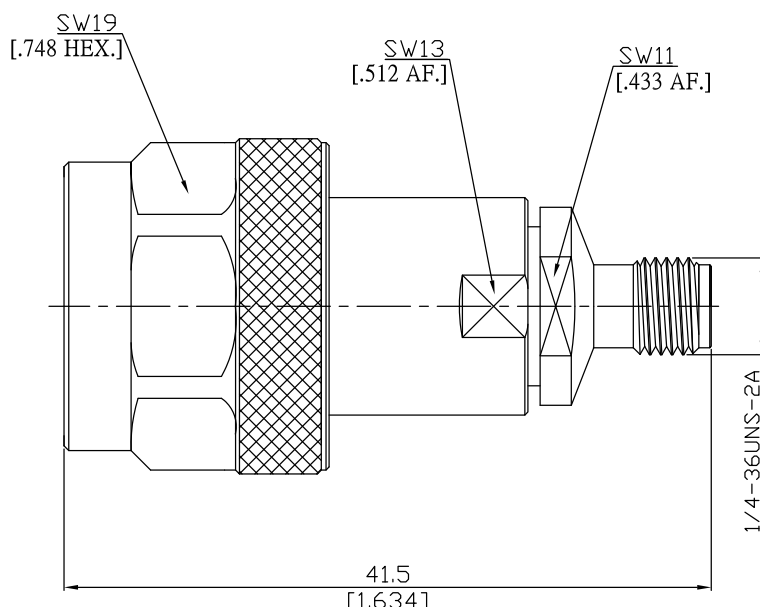


Precision N Plug (Male) to SMA Jack (Female)
Straight Adapter DC-18 GHz VSWR ≤ 1.15

AD-PCN1A25A / 133-11



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

IEC 60169-15; MIL-STD-348B/310

N according to

MIL-C-39012; MIL-STD-348A/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR

≤ 1.15 (≥ 23.13 dB)

Insertion loss

≤ 0.04 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

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	Brass	Gold plating, Nickel underplated
Body	Brass	Nickel
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Piece Parts (SMA)	Material	Plating
Centre contact	Brass	Gold plating, Nickel underplated
Body	Brass	Gold plating, Nickel underplated
Insulator	PTFE	

Precision N Plug (Male) to SMA Jack (Female)
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Mechanical Data

	Precision N side	SMA side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation	≥ 28 N	≥ 28 N
Coupling test torque	1.70 Nm	1.70 Nm
Recommended torque	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	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

Packing

Single or 100