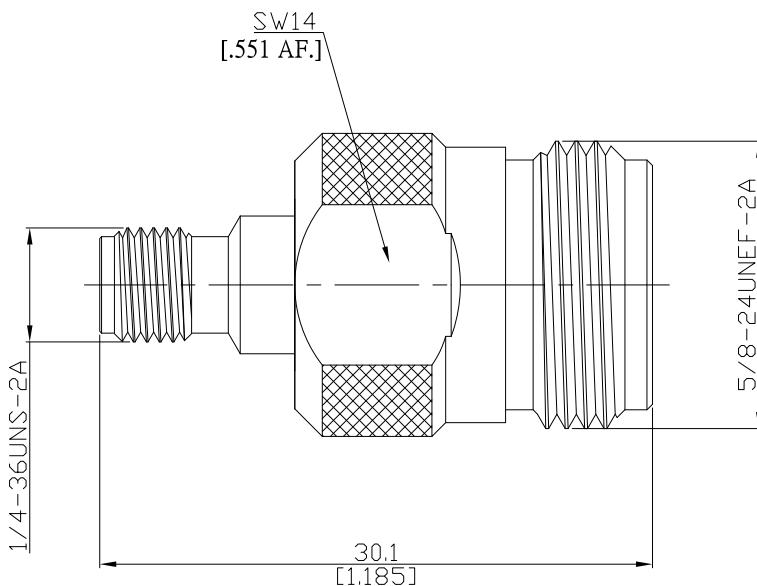


SMA jack (female) / Precision N jack (female)
Straight adaptor DC-18GHz VSWR 1.15

AD-A2PCN25B / 91-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

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

Precision N according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.1 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ, SMA side;

≤ 1 mΩ, Precision N side

Outer contact resistance

≤ 2 mΩ, SMA side;

≤ 0.25 mΩ, Precision N side

Test voltage

1000 V rms

Working voltage

480 V rms

RF-leakage

≥ 90 dB up to 1 GHz

Material And Plating

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

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

**SMA jack (female) / Precision N jack (female)
Straight adaptor DC-18GHz VSWR 1.15**

AD-A2PCN25B / 91-9X

Mechanical Data

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