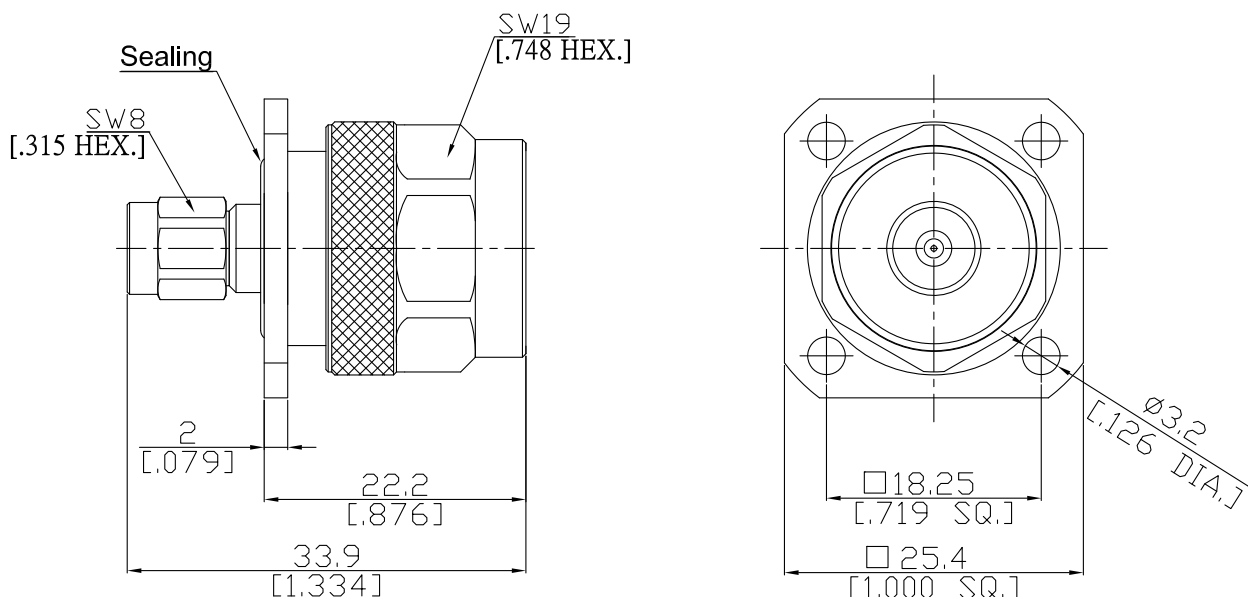


SMA plug (male) / N plug (male)
4 Hole Flange Mount Adapter, DC-11 GHz, VSWR ≤ 1.15

AD-A1N15A-PF / H11-144



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310; MIL-STD-348A/310

N according to

IEC 60169-16; MIL-C-39012; MIL-STD-348A/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.1 dB)

Insertion loss

≤ 0.04 x √F [GHz] dB

Insulation resistance

≥ 5x10³ MΩ

Center contact resistance

≤ 3 mΩ, SMA side

≤ 1 mΩ, N side

Outer contact resistance

≤ 2 mΩ, SMA side

≤ 0.25 mΩ, N side

Test voltage

1000 V rms

Working voltage

480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

≤ 200 W @ 2 GHz

RF-leakage

≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating(Nickel underplated)
Body	Brass	Gold plating(Nickel underplated)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating(Nickel underplated)
Piece Parts (N)	Material	Plating
Centre contact	Brass	Gold plating(Nickel underplated)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:
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SMA plug (male) / N plug (male) 4 Hole Flange Mount Adapter, DC-11 GHz, VSWR ≤ 1.15

AD-A1N15A-PF / H11-144

Mechanical Data

Coupling mechanisms	SMA(Snap-lock)	N (Bayonet-lock)
Mating cycles	min. 500	min. 500
Coupling nut retention	≥ 270 N	≥ 450 N
Center contact captivation: axial	≥ 28 N	≥ 28 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm	0.7 Nm to 1.1 Nm
Weight	0.00281 kg	

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

Related Document

Mounting Dimension	MD16
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