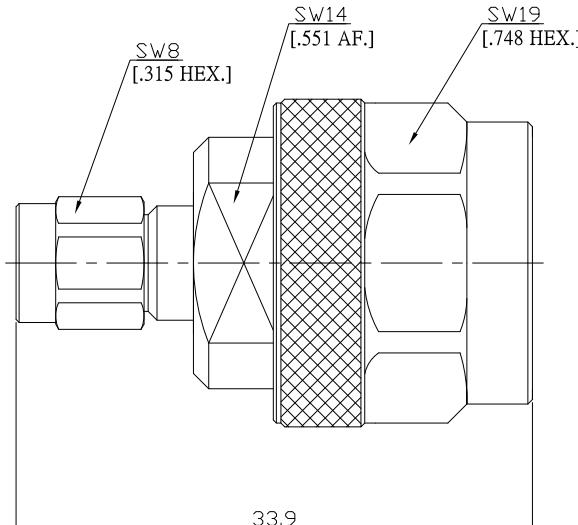


SMA plug (male) / N plug (male)
Straight adaptor DC-12GHz VSWR 1.15

AD-A1N15A / 911-933



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

IEC 60169-16; MIL-STD-348B/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 12 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1 mΩ, N side

≤ 3 mΩ, SMA side

Outer contact resistance

≤ 0.25 mΩ, N side

≤ 2 mΩ, SMA 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

Beryllium Copper

Gold plating, 3 pinch

(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Body

Brass

Gold plating, 3 pinch

(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Gold plating, 3 pinch

(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Piece Parts (N)

Material

Plating

Centre contact

Beryllium Copper

Gold plating, 3 pinch

(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Body

Brass

Nickel

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Nickel

SMA plug (male) / N plug (male)
Straight adaptor DC-12GHz VSWR 1.15

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Mechanical Data

Coupling mechanisms	SMA side	N side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 27 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	-5°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