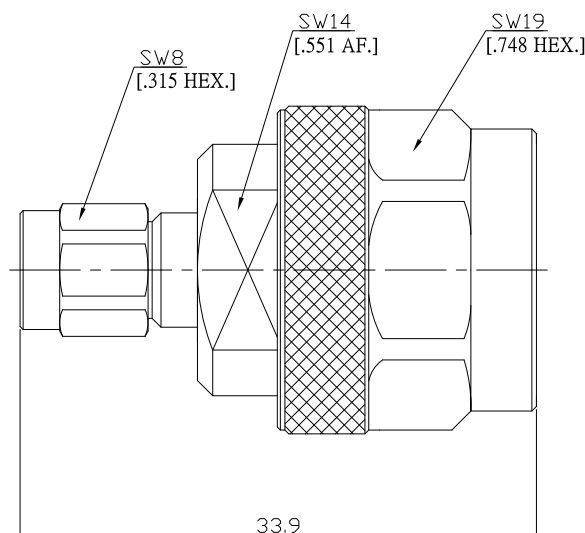


SMA plug (male) / N plug (male)  
Straight adaptor DC-12GHz VSWR 1.15

**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  $\Omega$

Frequency

DC to 12 GHz

VSWR (Return Loss)

$\leq 1.15$  ( $\geq 23.13$  dB)

Insertion Loss

$\leq 0.05 \times \sqrt{F}$  (GHz) dB

Insulation resistance

$\geq 5$  G $\Omega$

Center contact resistance

$\leq 1$  m $\Omega$ , N side

$\leq 3$  m $\Omega$ , SMA side

Outer contact resistance

$\leq 0.25$  m $\Omega$ , N side

$\leq 2$  m $\Omega$ , SMA side

Test voltage

1000 V rms

Working voltage

480 V rms

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

$\leq 200$  W @ 2 GHz

RF-leakage

$\geq 100$  dB up to 1 GHz

**Material And Plating**

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Brass	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
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

**AD-A1N15A / 911-933**

**Mechanical Data**

	SMA side	N side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation: axial	≥ 27 N	≥ 28 N
Coupling test torque	1.70 Nm	1.70 Nm
Recommended torque	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