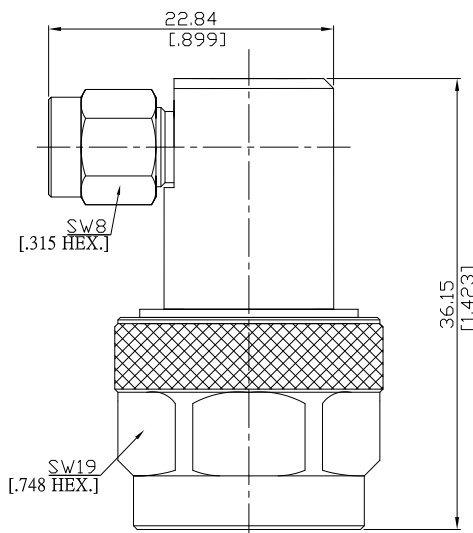


SMA plug (male) / N plug (male) L-adaptor DC-6 GHz VSWR ≤ 1.15

## ADL-A1N15A / 111-144



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 6 GHz

VSWR

≤ 1.15 (≥ 23.1 dB)

Insertion loss

≤ 0.04 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

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	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Piece Parts (N)	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
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.:  
Date:  
JUL/16/2021

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SMA plug (male) / N plug (male) L-adaptor DC-6 GHz VSWR $\leq$  1.15

## ADL-A1N15A / 111-144

### Mechanical Data

	SMA side	N side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Coupling nut retention	$\geq 270$ N	N/A
Center contact captivation: axial	$\geq 28$ N	$\geq 28$ 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

### 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