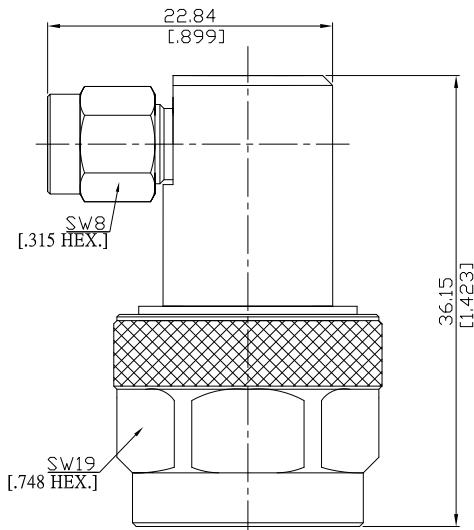


## SMA plug (male) / N plug (male) L-adaptor DC-6 GHz VSWR≤ 1.15

## 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 x √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≤ 1.15

## ADL-A1N15A / 111-144

## Mechanical Data

Coupling mechanisms	SMA side	N side
Mating cycles	Screw-lock	Screw-lock
Coupling nut retention	min. 500	min. 500
Center contact captivation: axial	≥ 270 N	N/A
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	max. 1.7 Nm	max. 1.7 Nm
	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