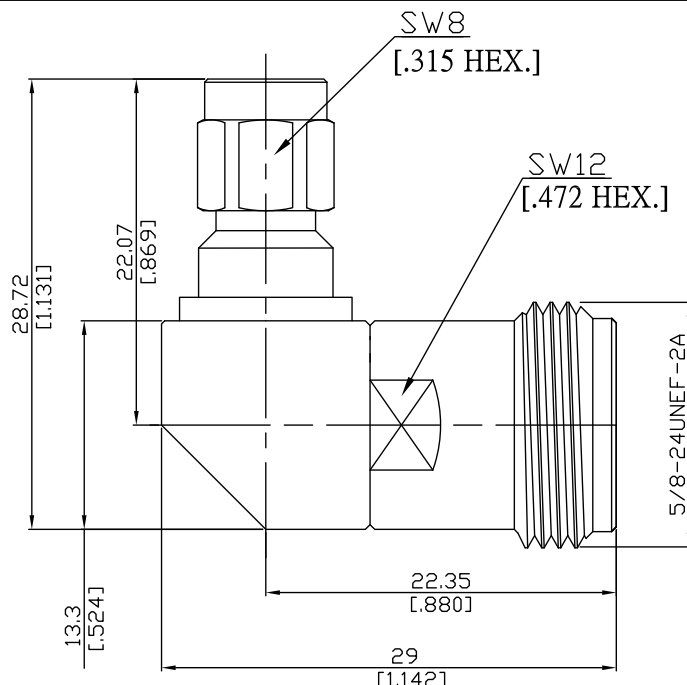


SMA plug (male) / Precision N jack (female)
L-adaptor DC-18 GHz VSWR $\leq$ 1.20

ASL-A1PCN25A / 111-H3



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

 $50\ \Omega$

Frequency

DC to 18 GHz

VSWR

 ≤ 1.20 (≥ 20.8 dB)

Insertion loss

$$\leq 0.04 \times \sqrt{F \text{ (GHz)}} \text{ dB}$$

Insulation resistance

 $\geq 5 \text{ G}\Omega$

Test voltage

1000 V_{rms}

Working voltage

480 V rms

RF-leakage

≥ 90 dB up to 1 GHz

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Brass	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 (Precision N)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch
Body	Brass	Nickel
Insulator	PTFE	

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

Rosinol RF/Microwave Technology Co., Ltd.

www.rosnol.com; info@rosnol.com

Phone: +886-3-463-5095 / Fax: +886-3-463-5952

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

 $1/2$

SMA plug (male) / Precision N jack (female)
L-adaptor DC-18 GHz VSWR ≤ 1.20

ASL-A1PCN25A / 111-H3

Mechanical Data

	SMA side	Precision N side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation	≥ 28 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	-65°C to +165°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

Packing

Single or 100