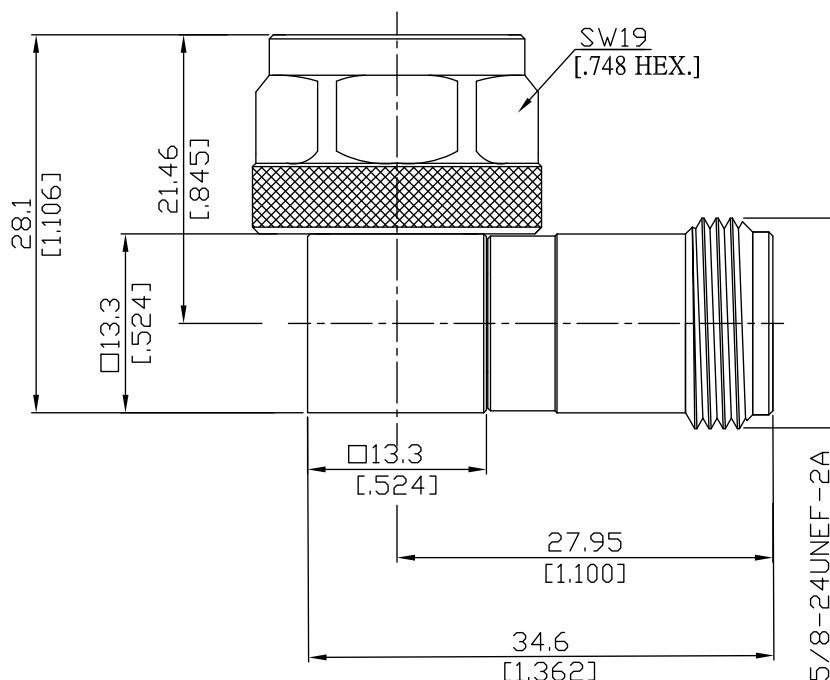


Precision N plug (male) / Precision N jack (female)
L-adaptor DC-18 GHz VSWR ≤1.25

ADL-PCN1PCN25A / H44-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-16, MIL-STD-348B/304

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 1.0 mΩ
Test voltage	2500 V rms
Working voltage	1000 V rms
RF Leakage	≥ 90 dB up to 1 GHz

Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre contact	Phosphor Bronze	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
Piece Parts (Precision N)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

Precision N plug (male) / Precision N jack (female)
L-adaptor DC-18 GHz VSWR ≤1.25

ADL-PCN1PCN25A / H44-H4

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	min. 500
Center contact captivation	≥ 28 N
Coupling Test Torque	1.70 Nm
Recommended Torque	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