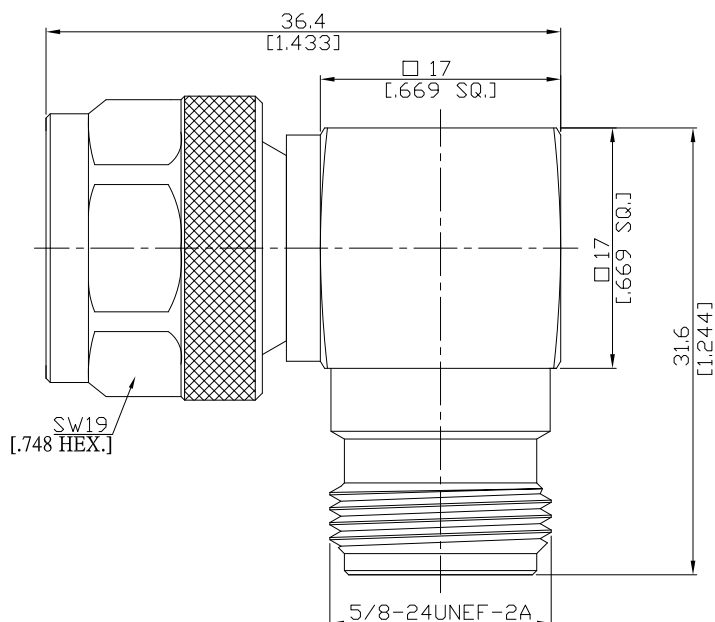


N plug (male) / N jack (female)
L-adaptor, 75 Ohm DC-6 GHz

ADL-N1N27A / 144-14



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

IEC 61169-16; MIL-STD-348B/331

Electrical Data

Impedance	75 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB (typ.)
Insertion loss	≤ 0.1 x √f (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 0.25 mΩ
Test voltage	2500 V rms
Working voltage	1400 V rms
RF leakage	≥ 128 dB @ DC to 1 GHz

Material And Plating

Piece Parts (N)	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

N plug (male) / N jack (female)
L-adaptor, 75 Ohm DC-6 GHz

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Mechanical Data

Coupling mechanisms	Screw-lock	
Mating cycles	≥ 500	
Coupling nut retention	≥ 450 N	
Center contact captivation	axial: ≥ 28 N	radial: ≥ 3 Ncm
Coupling test torque	≤ 1.7 Nm	
Coupling torque recommended	0.7 Nm to 1.1 Nm	

Environmental Data

Temperature Range	-65°C to + 165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100