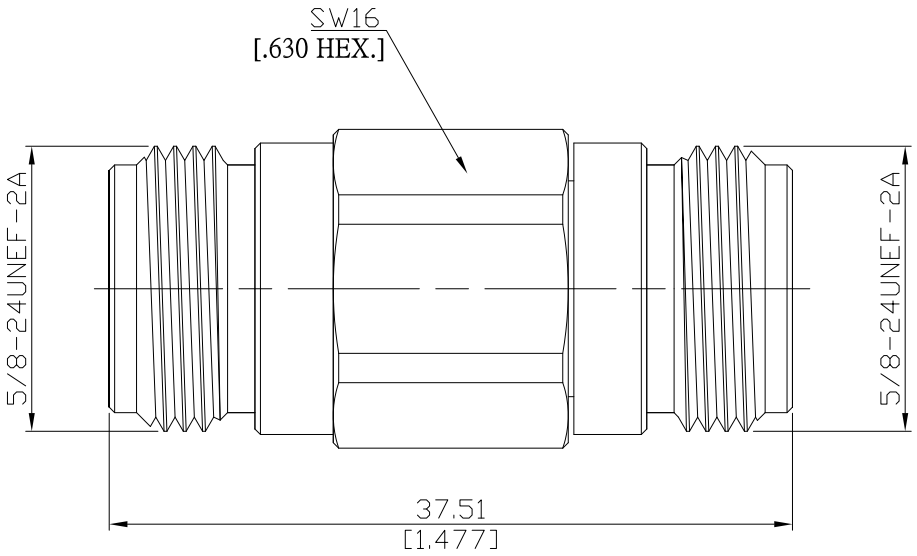
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

N jack (female) / N jack (female) Adaptors Straight DC-12.4 GHz VSWR1.15

AD-N2N25A / 93-93



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 12.4 GHz	
Insertion Loss	≤ 1.15 (≥ 23.12 dB)	
Insertion loss	≤ 0.1 x √F (GHz) dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 1 mΩ	
Outer contact resistance	≤ 0.25 mΩ	
Working voltage	500 V rms	
Power handling	1000 W @ 1 GHz	700 W @ 2 GHz
RF leakage	≥ 128 dB @ DC to 1 GHz	

Material And Plating

Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data	
Coupling Mechanisms	Screw-lock
Mating Cycles	≥ 500
Center contact captivation: axial	≥ 28 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	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	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

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