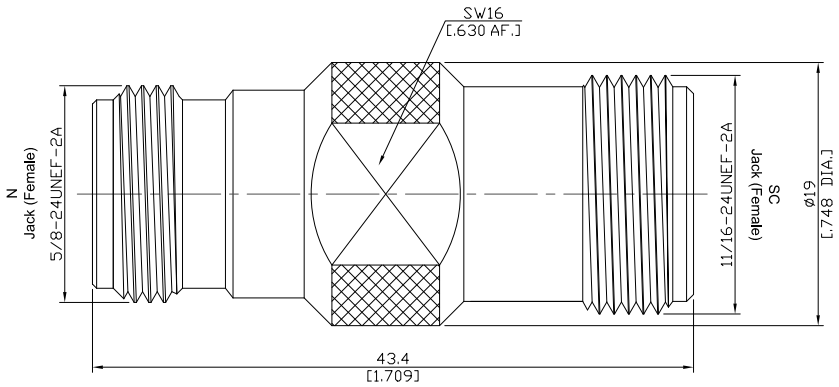
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

N Jack (Female) to SC Jack (Female), Straight Adapter, DC – 11 GHz, VSWR 1.25

AD-N2SC25A / 93-93



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

N According to	IEC 60169-16; MIL-STD-348B/304; CECC 22210; MIL-PRF-39012
SC According to	MIL-STD-348B/309; MIL-PRF-39012

Electrical Data

Impedance	50 Ω	
Frequency	DC to 11 GHz	
Insertion Loss	≤ 1.25 (≥ 19.08 dB)	
Insertion loss	≤ 0.06 x √F (GHz) dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 1 mΩ, N side	≤ 1 mΩ, SC side
Outer contact resistance	≤ 0.25 mΩ,N side	≤ 0.5 mΩ, SC side
Working voltage	500 V rms	

Material And Plating

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

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

	N side	SC side
Coupling Mechanisms	Screw-On	Screw-On
Mating Cycles	≥ 500	≥ 500
Coupling nut retention	≥ 450 N	≥ 445 N
Center contact captivation: axial	≥ 28 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	1.0 Nm	1.36 Nm to 1.69 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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