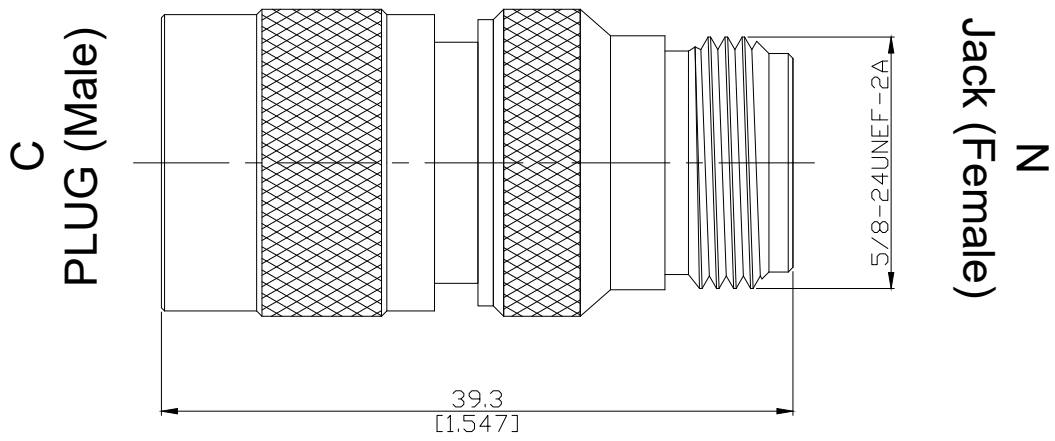
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

C plug (male) / N jack (female) Straight adaptor DC- 11 GHz

AD-C1N25A / H33-H3



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

Interface

C according to	MIL-STD-348B/302
N according to	IEC 61169-16; MIL-STD-348B/304

Electrical Data

Impedance	50 Ω
Frequency	DC to 11 GHz
VSWR (Return Loss)	≤ 1.35 (≥ 16.5 dB)
Insertion loss	≤ 0.067 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Dielectric withstanding voltage	1500 V rms

Material And Plating

Piece Parts (C)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	
Coupling nut	Brass	Nickel
Piece Parts (N)	**Material**	**Plating**
Centre contact	Phosphor Bronze	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

	C side	N side
Coupling mechanisms	Two-stud bayonet	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation:axial	≥ 20 N	≥ 28 N
Maximum torque	N/A	1.70 Nm
Recommended torque	N/A	1.10 Nm

Environmental Data

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

Packing

Singleor 100

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