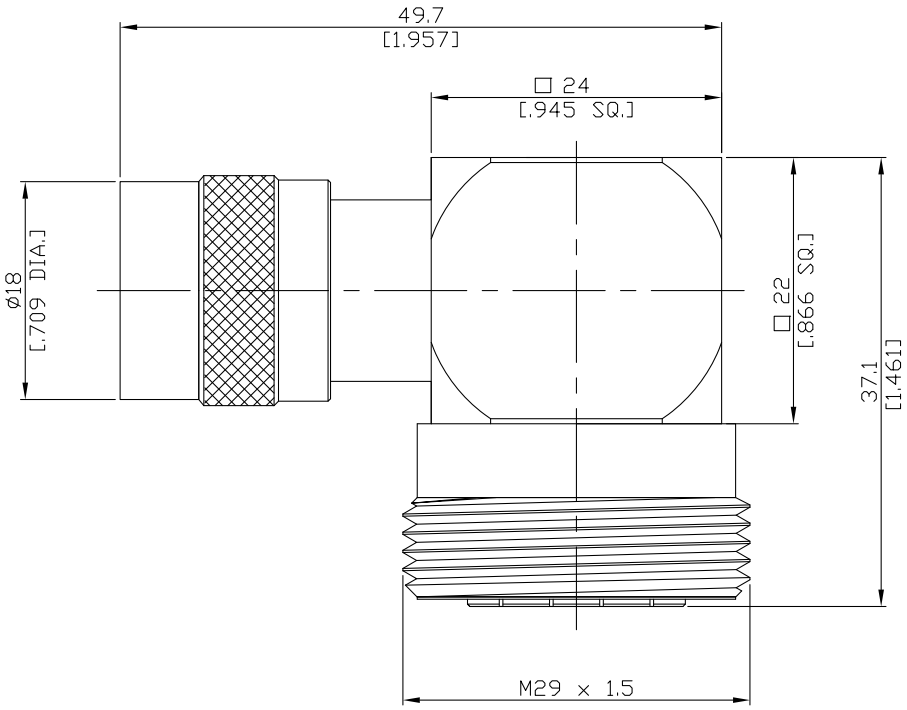
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

C plug (male) / 7/16 jack (female) L-adaptor DC-6 GHz VSWR ≤ 1.20

ADL-C1D25A / 144-G4



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

Interface

C according to	MIL-STD-348B/302
7/16 according to	IEC 61169-4

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 20.08 dB)
Insertion Loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Dielectric Withstanding Voltage (at sea level)	3000 V rms
Working Voltage	1000 V rms

Material And Plating

Piece Parts (C)	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinc
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (7/16)	**Material**	**Plating**
Centre contact	Phosphor Bronze	Silver
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

	C side	7/16 side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation: axial	≥ 26 N	≥ 200 N
Coupling nut retention	N/A	≥ 1000 N
Coupling test torque	N/A	max. 35 Nm
Recommended torque	N/A	25 to 30 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Moisture Resistance	MIL-STD-202, Method 206
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	compliant

Packing

Singleor 100

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