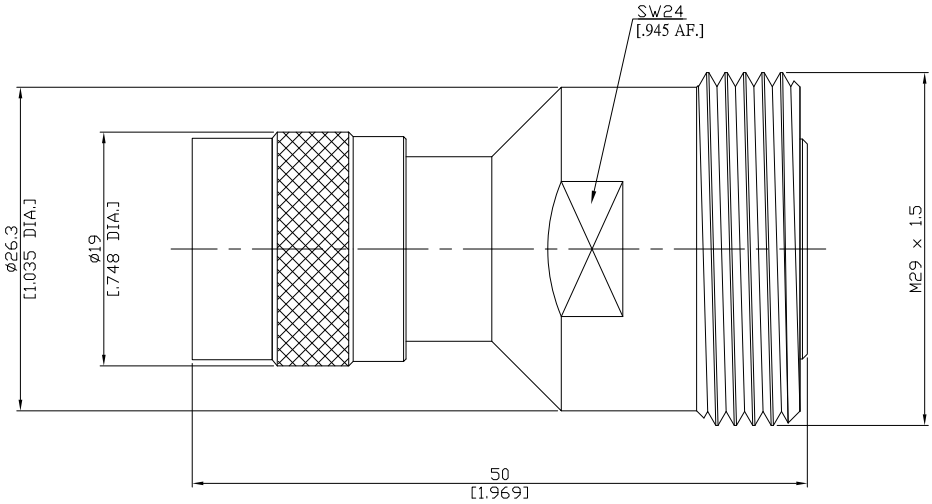
ROSNOL® RF/Microwave Interconnect

Technical Data Sheet

C plug (male) / 7/16 jack (female)
Straight adaptor DC- 7.5 GHz

AD-C1D25A / G44-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 7.5 GHz

Mechanical Data

	C side	7/16 side
Coupling mechanisms	Two-stud bayonet	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation:axial	≥ 20 N	N/A
Maximum torque	N/A	1.70 Nm
Recommended torque	N/A	1.10 Nm
Gauge	N/A	5.18 mm to 5.26 mm

Environmental Data

Temperature Range	-65°C to +165°C
RoHS	compliant

Material And Plating

Piece Parts (C)	Material	Plating
Centre contact	Phosphor Bronze	Silver
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	

Packing

Single or 100

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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