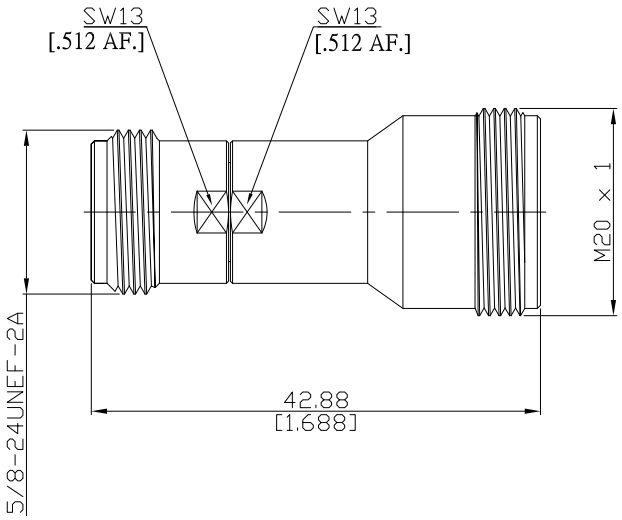
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Precision N jack (female) / 4.1-9.5 jack (female)
Straight Adaptor DC-14 GHz VSWR ≤ 1.13

AD-PCN2MD25A / 9X-94



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

Interface

Precision N according to	IEC 60169-16; MIL-STD-348B/402
4.1-9.5 according to	IEC 60169-11

Electrical Data

Impedance	50 Ω
Frequency	DC to 14 GHz
VSWR (Return Loss)	≤ 1.13 (≥ 24 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB

Mechanical Data

	Precision N side	4.1-9.5 side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Maximum torque	1.70 Nm	15 Nm
Recommended torque	1.10 Nm	2 Nm
Gauge	5.18 mm to 5.26 mm	4.95 mm to 5.03 mm

Environmental Data

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

Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinc)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (4.1-9.5)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinc)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

Packing

Singleor 100

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