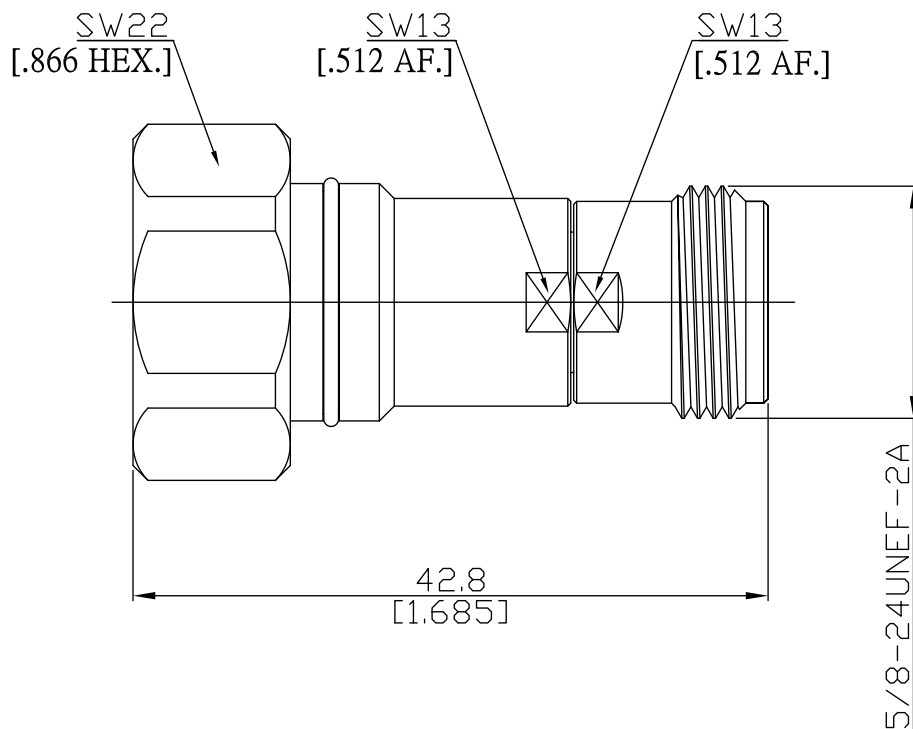


4.1/9.5 plug (male) / Precision N jack (female) Adapter
DC-14 GHz VSWR1.13

AD-MD1PCN25A / 1XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

4.1/9.5 according to

IEC 61169-11

Precision N according to

IEC 61169-16; MIL-STD-348B/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 14 GHz

VSWR (Return Loss)

≤ 1.13 (≥ 24 dB)

Insertion Loss

$\leq 0.05 \times \sqrt{f}$ (GHz) dB

Material And Plating

Piece Parts (4.1/9.5)		Material	Plating
Centre contact		Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body		Stainless Steel	Passivated
Insulator		PTFE	
Gasket		Silicone Rubber	
Coupling nut		Stainless Steel	Passivated
Piece Parts (Precision N)		Material	Plating
Centre contact		Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body		Stainless Steel	Passivated
Insulator		PTFE	

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Mechanical Data

Coupling mechanisms	4.1/9.5 side	Precision N side
Mating Cycles	Screw-lock	Screw-lock
Maximum torque	≥ 500	≥ 500
Recommended Torque	≥ 20 N	1.70 Nm
Gauge	2 Nm	1.10 Nm
	5.05 mm to 5.13 mm	5.28 mm to 5.36 mm

Environmental Data

Temperature range	-40°C to +85°C
RoHS	compliant

Packing

Single or 100