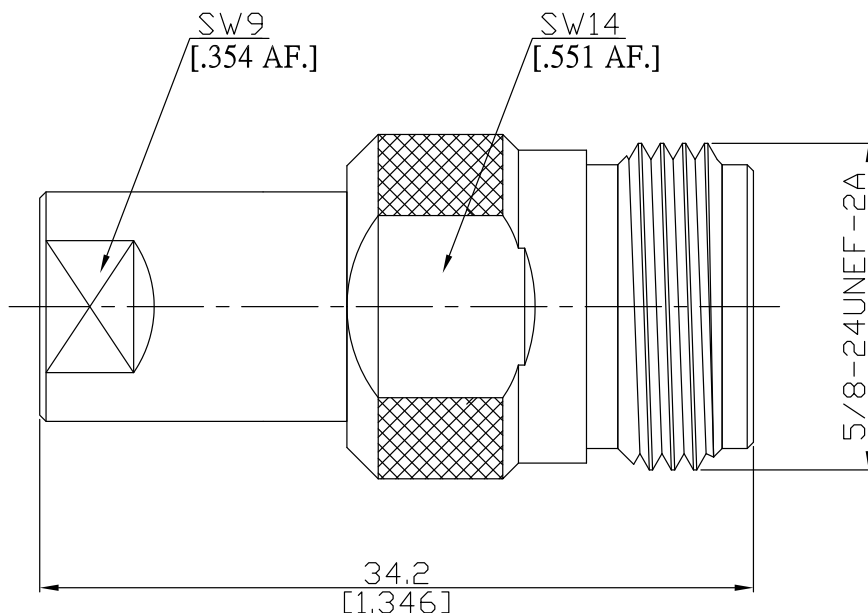


FME plug (male) / N jack (female)
Straight Adaptor DC-2 GHz VSWR ≤ 1.43

AD-E1N25A / 14-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

FME according to

N/A

N according to

IEC 61169-8; MIL-STD-348B/301

Electrical Data

Impedance

50 Ω

Frequency

DC to 2 GHz

VSWR (Return Loss)

≤ 1.43 (≥ 15 dB)

Insertion loss

≤ 0.1 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 10 mΩ, FME side

≤ 1 mΩ, N side;

Outer contact resistance

≤ 1.5 mΩ, FME side

≤ 0.25 mΩ, N side;

Test voltage

1000 V rms

Working voltage

500 V rms

Material And Plating

Piece Parts (FME)	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Piece Parts (N)	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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Mechanical Data

	FME side	N side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 300	min. 500
Coupling nut retention	N/A	≥ 450 N
Center contact captivation: axial	≥ 28 N	≥ 28 N
Coupling test torque	max. 2 Nm	max. 1.7 Nm
Recommended torque	N/A	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Environmental tests	MIL-STD-202
RoHS	compliant

Packing

Single or 100