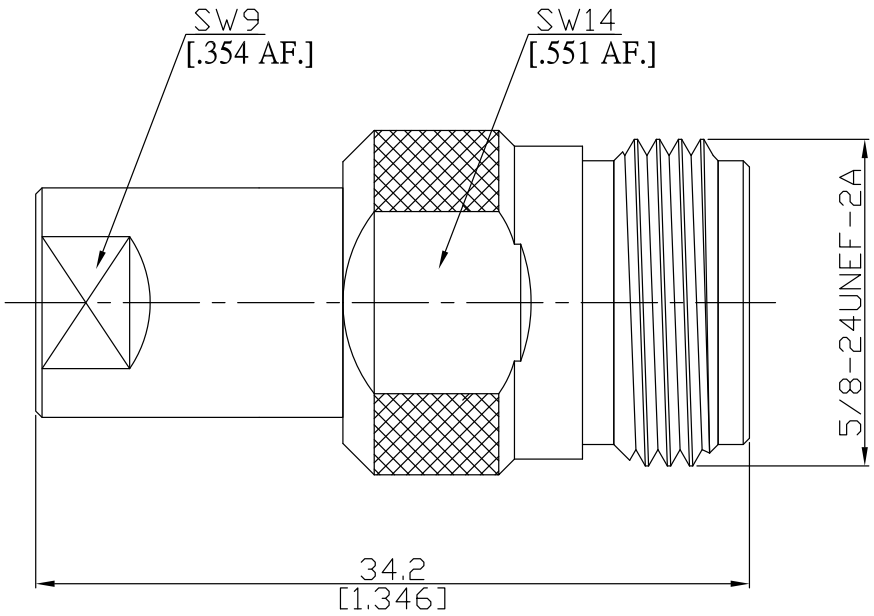
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

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

AD-E1N25A / H3-H3



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 x √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	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinc
Body	Brass	Nickel
Insulator	PTFE	
Piece Parts (N)	**Material**	**Plating**
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinc
Body	Brass	Nickel
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

Singleor 100

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