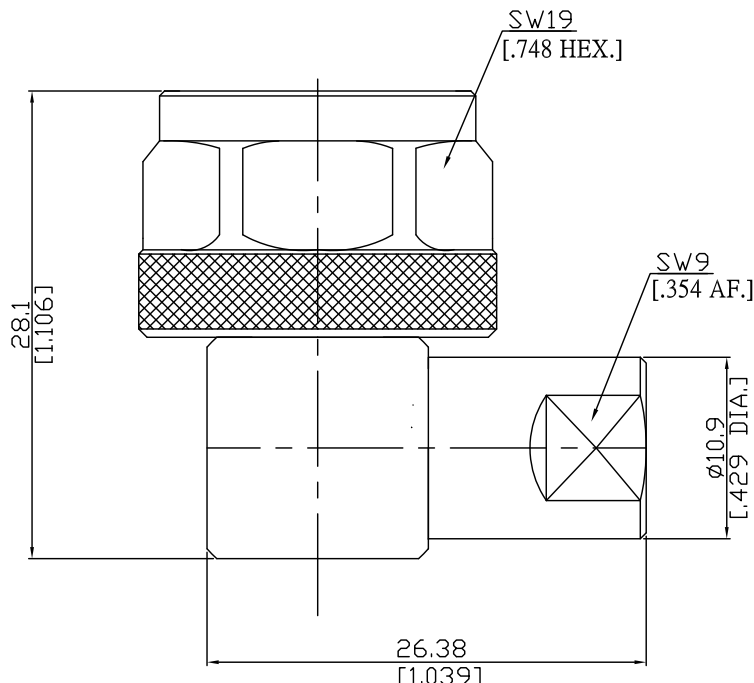


N plug (male) / FME plug (male) L-adaptor DC-2 GHz VSWR ≤ 1.43

ADL-N1E15A / 144-14



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N according to

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

FME according to

N/A

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

≤ 1 mΩ, N side;

≤ 10 mΩ, FME side

Outer contact resistance

≤ 0.25 mΩ, N side;

≤ 1.5 mΩ, FME side

Test voltage

1000 V rms

Working voltage

500 V rms

Material And Plating

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

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Mechanical Data

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

Environmental Data

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

Packing

Single or 100