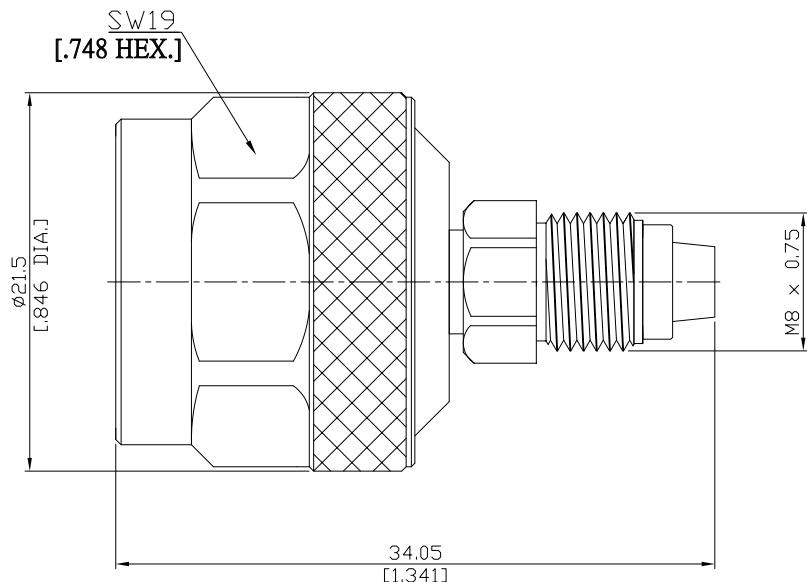


N plug (male) / FME jack (female)
Straight Adaptor DC-2 GHz VSWR ≤ 1.43

AD-N1E25A / H44-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N according to
FME according to

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

Electrical Data

Impedance	50 Ω
Frequency	DC to 2 GHz
VSWR (Return Loss)	≤ 1.43 (≥ 15 dB)
Insertion loss	$\leq 0.1 \times \sqrt{f}$ (GHz) dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 10 m Ω , FME side
Outer contact resistance	≤ 1.5 m Ω , FME side
Test voltage	1000 V rms
Working voltage	500 V rms

Material And Plating

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

N plug (male) / FME jack (female)
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Mechanical Data

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