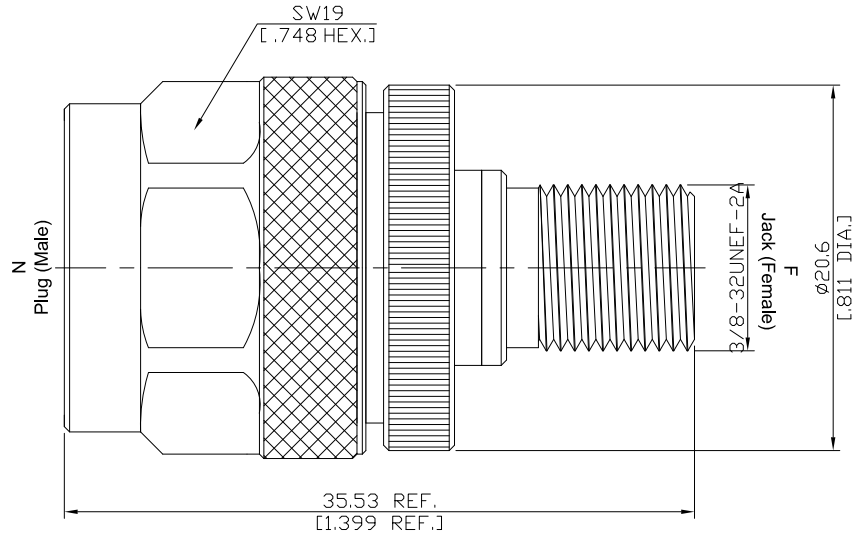


75Ω N Plug (Male) to 75Ω F Jack (Female) Straight Adapter,
DC-3 GHz, VSWR 1.30

AD-N1F27A / 144-14



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N According to

IEC 60169-16; MIL-STD-348B/331; CECC 22 210; MIL-PRF-39012

F According to

IEC 61169-24; ANSI/SCTE 02

Electrical Data

Impedance

75 Ω

Frequency

DC to 3 GHz

VSWR (Return Loss)

≤ 1.30 (≥ 17.69 dB)

Insertion Loss

≤ 0.1 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1.5 mΩ, N side;

≤ 5 mΩ, F side

Outer contact resistance

≤ 1 mΩ, N side;

≤ 2.5 mΩ, F side

Test voltage

1500 V rms

Working voltage

500 V rms

Material And Plating

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

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Mechanical Data

	N side	F side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Coupling nut retention	≥ 450 N	≥ 300 N
Center contact captivation: axial	≥ 28 N	≥ 20 N
Coupling test torque	max. 1.7 Nm	max. 6.78 Nm
Recommended torque	1.0 Nm	1.1 Nm

Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100