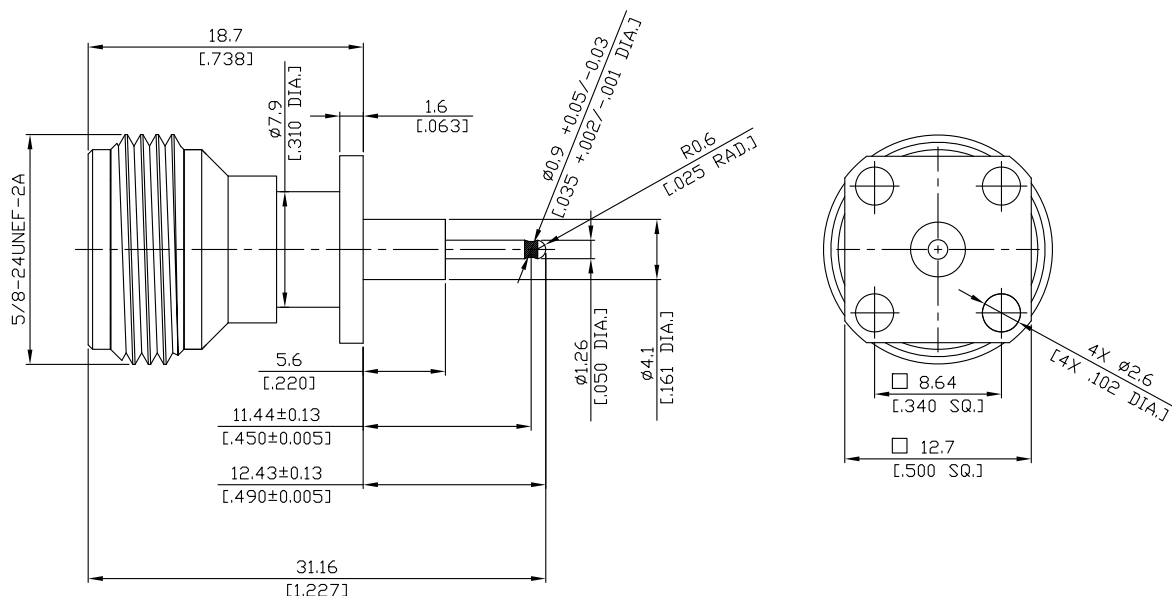


N Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
Solder cup Terminal, 8.64mm (.340 inch) Hole Spacing DC-5GHz VSWR1.10

N2GFE50-3115B / 90-LP



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-16; MIL-STD-348B/304

Electrical Data

Impedance

50 Ω

Frequency

DC to 5 GHz

VSWR (Return Loss)

1.3 - 2.3GHz: ≤1.08 (≥28.30 dB)

4.4 - 5GHz: ≤1.10 (≥26.44 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Center Contact Resistance

≤ 1 mΩ

Outer Contact Resistance

≤ 1.0 mΩ

RF Leakage

≥ -90 dB

Voltage Rating

≥ 500 V rms

Dielectric Withstanding Voltage

≥1000 V rms (@ 60 Hz; sea level)

Power Handling

1.3 - 2.3GHz: Avg.: 250W/Peak: 400W

4.4 - 5GHz: Avg.: 150W/Peak: 200W

Insulation Resistance

≥ 5000 MΩ

PIM level

≥ -150 dBc

- Electrical specifications guaranteed for connector only -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (≥100 microinches; per MIL-G-45204; type I; grade C; class 2)
Body	Brass	Silver
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Solder cup
Captivated Type	Mechanical
Pin Slots	6 slot fingers
Center Contact Captivation	≥ 6.3 lbs (48 N)
Coupling Nut Mating Torque	≥ 8-10 lbs (0.90-1.13 N)

Environmental Data

Temperature Range	-40°C to +85°C
Altitude	Operating: 1,000 ft/Storage: 40,000 ft
RoHS	compliant
Humidity	MIL-STD-202, Method 103, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Thermal Shock	MIL-STD-202, Method 107, Condition A-1
Salt Atmosphere	MIL-STD-202, Method 101E, Condition A

Packing

Single or 100