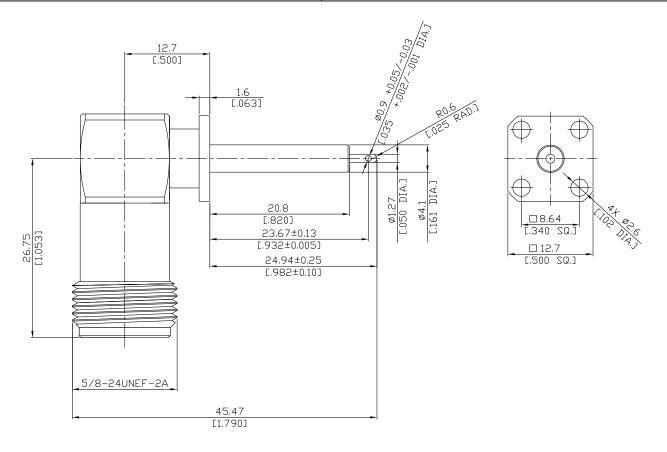


### Technical Data Sheet

## N Right-Angle Panel Receptacle Jack Low PIM

## N2GFE59-4547B/90-LP



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

IEC 61169-16; CECC 22210; MIL-C-39012; MIL-STD-348A/304

#### Electrical Data

Impedance  $50 \Omega$ 

Frequency DC to 5 GHz

VSWR (Return Loss) 1.3 - 2.3GHz: ≤1.10 (≥26.44 dB) 4.4 - 5GHz: ≤1.12 (≥24.94 dB)

8-10 lbs

Insertion Loss  $\leq 0.05 \times \sqrt{F (GHz)} dB$ 

 $\begin{array}{ll} \text{Center Contact Resistance} & \leq 1.0 \text{ m}\Omega \\ \text{Outer Contact Resistance} & \leq 1.0 \text{ m}\Omega \\ \text{RF Leakage} & \geq -90 \text{ dB} \\ \text{Voltage Rating} & \geq 500 \text{ V rms} \end{array}$ 

Dielectric Withstanding Voltage ≥1000 V rms (@ 60 Hz; sea level)

Power Handling 1.3 - 2.3GHz: Avrg.: 250W/Peak: 400W 4.4 - 5GHz: Avrg.: 150W/Peak: 200W

Insulation Resistance  $\geq 5000 \text{ M}\Omega$ PIM level  $\geq -150 \text{ dBc}$ 

### Mechanical Data

Coupling Nut Mating Torque

Coupling Mechanisms

Screw-lock

Weight

N/A

Mating Cycles

Contact Torque

Screw-lock

N/A  $\geq 500$   $\geq 4.0$  in-ounces

The facts and figures herein are carefully compiled to the best of our
knowledge, but they are intended for general informational purposes only.
In the effort to improve our products, we reserve the right to make changes
judged to be necessary.

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### Technical Data Sheet

# N Right-Angle Panel Receptacle Jack Low PIM

## N2GFE59-4547B/90-LP

#### Environmental Data

**RoHS** 

Temperature Range -40°C to +85°C

Altitude Operating: 10000 ft/Storage: 40000 ft

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

### 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 plating (≥50 microinches; per MIL-G-45204)
Insulator	PTFE	

### Packing

Single or 100

#### Related Document

Mounting Dimension MD71