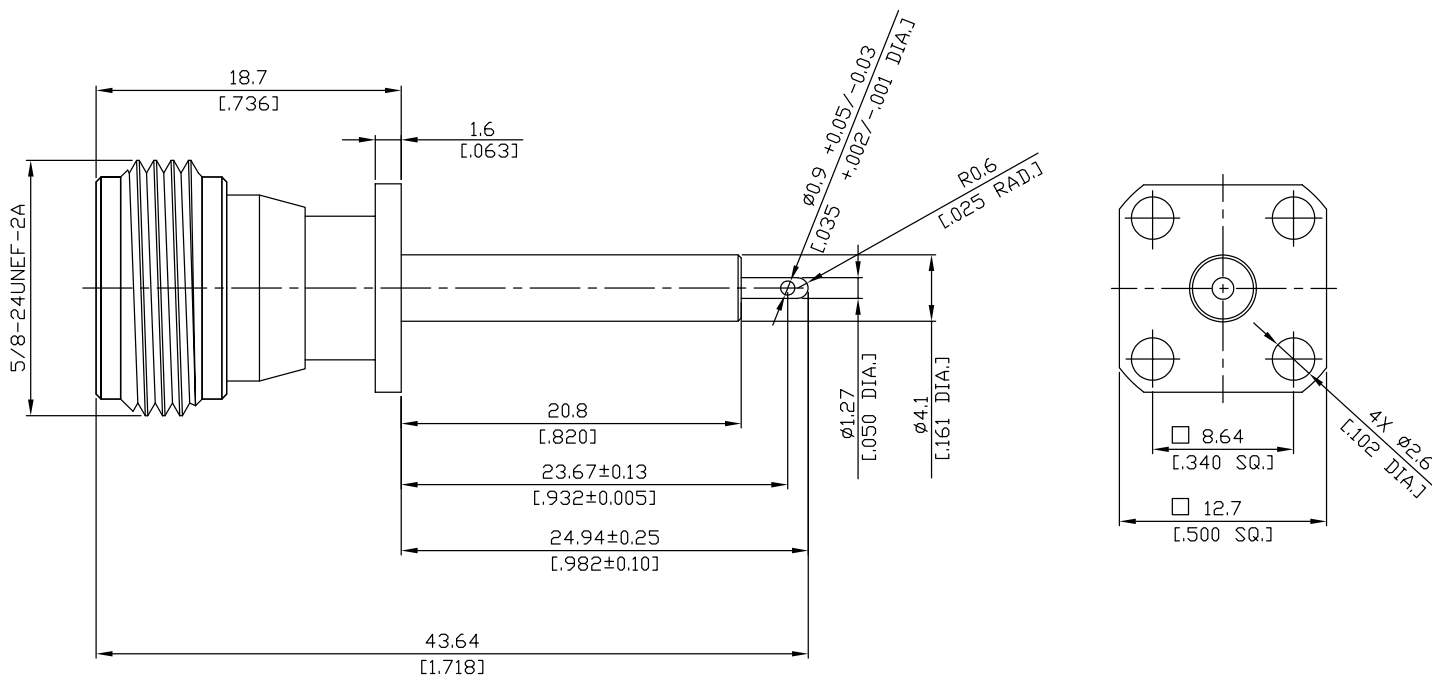




**N Straight Panel Receptacle Jack**  
Low PIM

**N2GFE50-4364B/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: $\leq 1.08$ ( $\geq 28.30$ dB)    4.4 - 5GHz: $\leq 1.10$ ( $\geq 26.44$ dB) |
| Insertion Loss                  | $\leq 0.05 \times \sqrt{F}$ (GHz) dB   |
| Center Contact Resistance       | $\leq 1.0$ m $\Omega$  |
| Outer Contact Resistance        | $\leq 1.0$ m $\Omega$  |
| RF Leakage                      | $\geq -90$ dB  |
| Voltage Rating                  | $\geq 500$ V rms   |
| Dielectric Withstanding Voltage | $\geq 1000$ 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           | $\geq 5000$ M $\Omega$   |
| PIM level                       | $\geq -150$ dBc  |

**Mechanical Data**

|                            |                      |
|----------------------------|----------------------|
| Coupling Mechanisms        | Screw-lock           |
| Weight                     | N/A                  |
| Mating Cycles              | $\geq 500$           |
| Contact Torque             | $\geq 4.0$ in-ounces |
| Coupling Nut Mating Torque | 8-10 lbs             |

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.

|                   |   |             |
|-------------------|---|-------------|
| Rev.:-            | Rosnol RF/Microwave Technology<br><a href="http://www.rosnol.com">www.rosnol.com</a> ; <a href="mailto:info@rosnol.com">info@rosnol.com</a> | Page<br>1/2 |
| Date:<br>19/11/10 | Phone: +886-3-463-5095 / Fax: +886-3-463-5952<br>N-CAGE Code: SFKK0   |             |

**N Straight Panel Receptacle Jack**  
Low PIM

**N2GFE50-4364B/90-LP**

**Environmental Data**

|                   |  |
|-------------------|--|
| Temperature Range | -40°C to +85°C                         |
| Altitude          | Operating: 10000 ft/Storage: 40000 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  |

**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