

Page



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## **N Female Four-Hole Flange Connector with Round Post**

SKU  
N2-4F-RP  
MPN  
N2-RP-4F

### **Description**

N (or N-Type) flange connectors are used within high performance low-band radio communications systems, such as in aerospace, radar, 4G cellular, and broadcast.

This N female connector is used to terminate coaxial cable types onto a panel where both the inner conductor and outer braid are soldered accordingly. The female connector body has a flange design with four mounting holes.

As a low-PIM design the connector uses ternary alloys to achieve very low VSWR under 3 GHz, and a modest  $< 1.3:1$  VSWR up to 6 GHz.

This N Female coaxial connector is used in high performance and general-precision systems up to 6 GHz. Termination of flange connectors particularly those operating towards the upper frequency limit must be made with great care and precision.

[Read More](#)





## [Powertec](#)

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

## RF Connector Interface

### RF Interface Body Shape Mounting

[N Female](#)    [Straight](#)    [4-Hole Flange](#)

## RF Specification

Start Frequency

0 GHz

Stop Frequency

4 GHz

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 1 \text{ m}\Omega$

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 1 \text{ m}\Omega$

RF Operating Voltage

$\leq 500$  Vrms

VSWR Measurement

**Frequency VSWR Return Loss**

4000 MHz  $\leq 1.3:1 \leq 0.15$  dB

## Physical Specification

Body Material

[Brass](#)

Body Plating

[Nickel](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

18.4 × 25.4 × 25.4

Weight

25 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Conductor Attachment

[Round Post](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[White Bronze](#)

Min. Operating Temperature

-40 °C

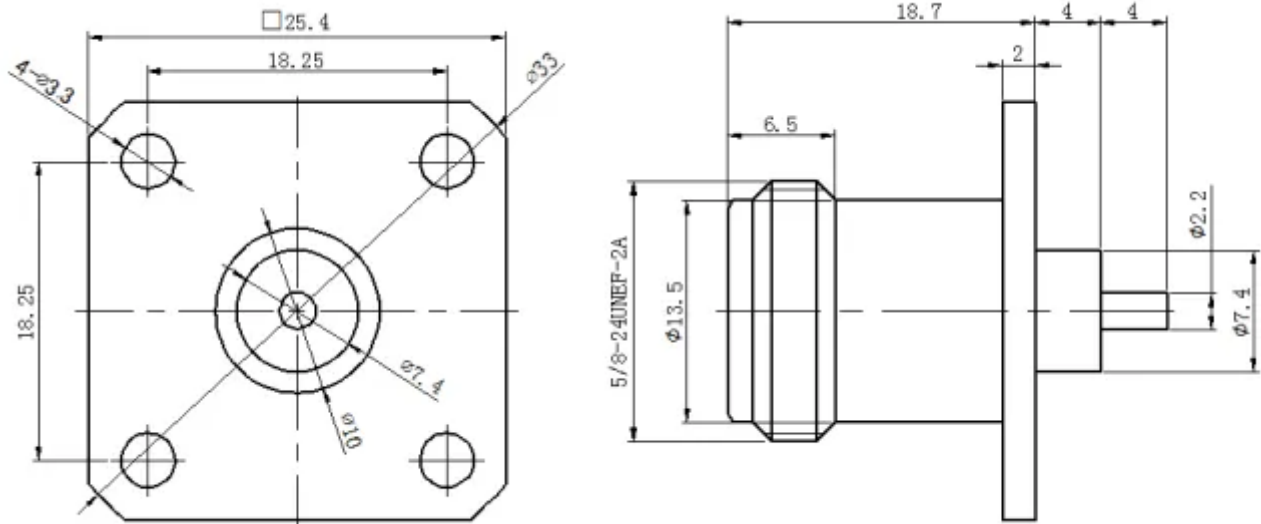
Max. Operating Temperature

85 °C

Mating Cycles

> 500

Drawing



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