

Page



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## **N Male Straight Solder Connector for RG-402 Cable**

SKU  
ACC-PT-00388  
MPN  
N1-S-402  
Barcode  
9337692004629

## Description

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

This connector is used to terminate Semi-Flexible and Semi-Rigid 0.141" cable types such as RG-402, where both the inner conductor and outer braid are soldered to the connector.

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

### [Read More](#)

This N Male coaxial connector is used in high performance and general-precision systems up to 6 GHz. Termination of semi-flexible cables, particularly those operating to 6 GHz must be made with great care and precision.





## [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 Male](#)

[Straight](#)

[Free Hanging](#)

## RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

Input Impedance

50  $\Omega$

Inner Contact Resistance

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

Insulation Resistance

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

Outer Contact Resistance

$\leq 0.25 \text{ m}\Omega$

RF Operating Voltage

$\leq 500$  Vrms

VSWR Measurement

**Frequency VSWR**

3000 MHz  $\leq 1.15:1$

6000 MHz  $\leq 1.3:1$

## Physical Specification

Cable Group

[RG-402](#)

Body Material

[Brass](#)

Body Plating

[White Bronze](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

23 × 21 × 21

Weight

25.7 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Conductor Attachment

[Cable, Solder](#)

Contact Material

[Brass](#)

Contact Plating

[White Bronze](#)

Min. Operating Temperature

-40 °C

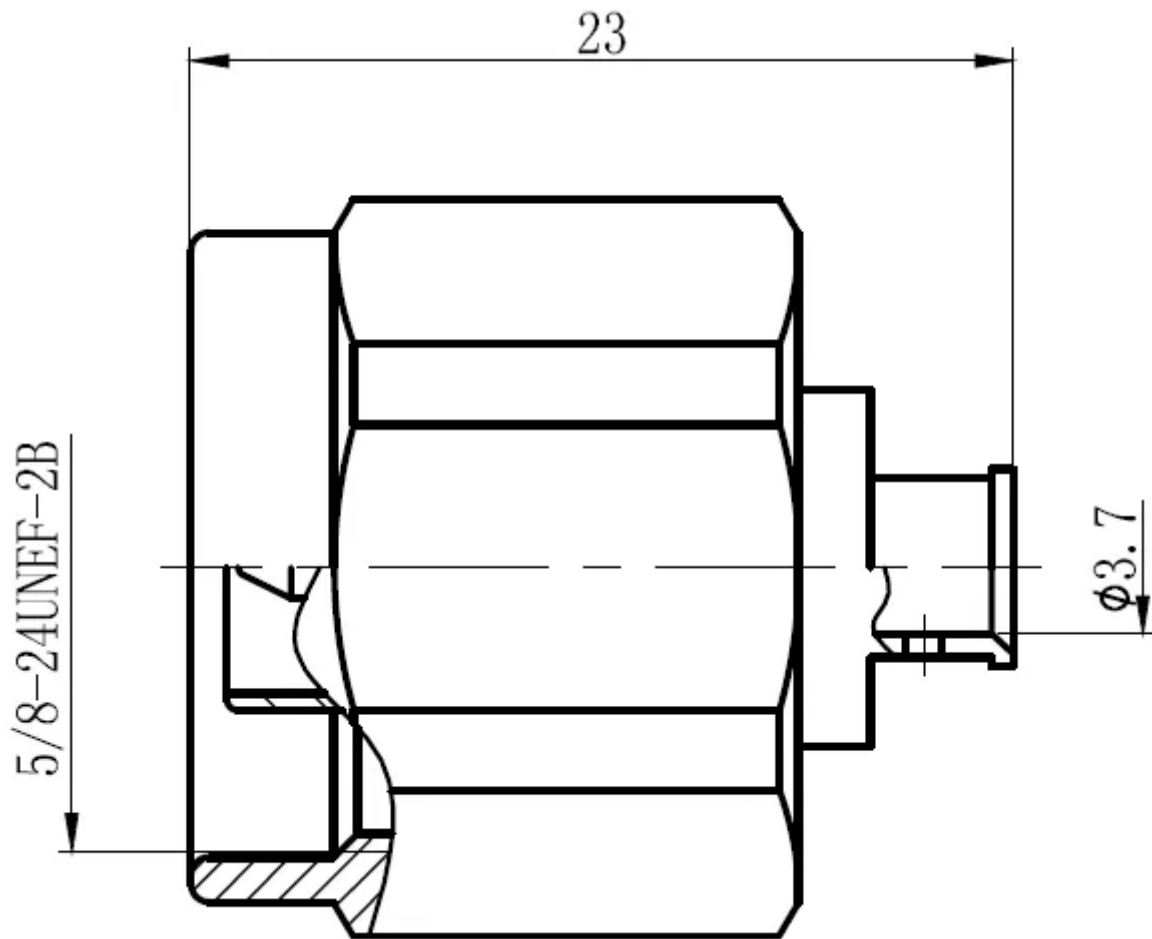
Max. Operating Temperature

85 °C

Mating Cycles

> 500

Drawing



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