

# 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.



## RF Connector Interface

| RF Interface | Body Shape | Mounting     |
|--------------|------------|--------------|
| N Male       | Straight   | Free Hanging |

## RF Specification



### 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 ...

|                  |       |                           |                             |
|------------------|-------|---------------------------|-----------------------------|
| Start Frequency: | 0 GHz | Input Impedance:          | 50                          |
| Stop Frequency:  | 6 GHz | 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:     | $\leq 500 \text{ Vrms}$     |

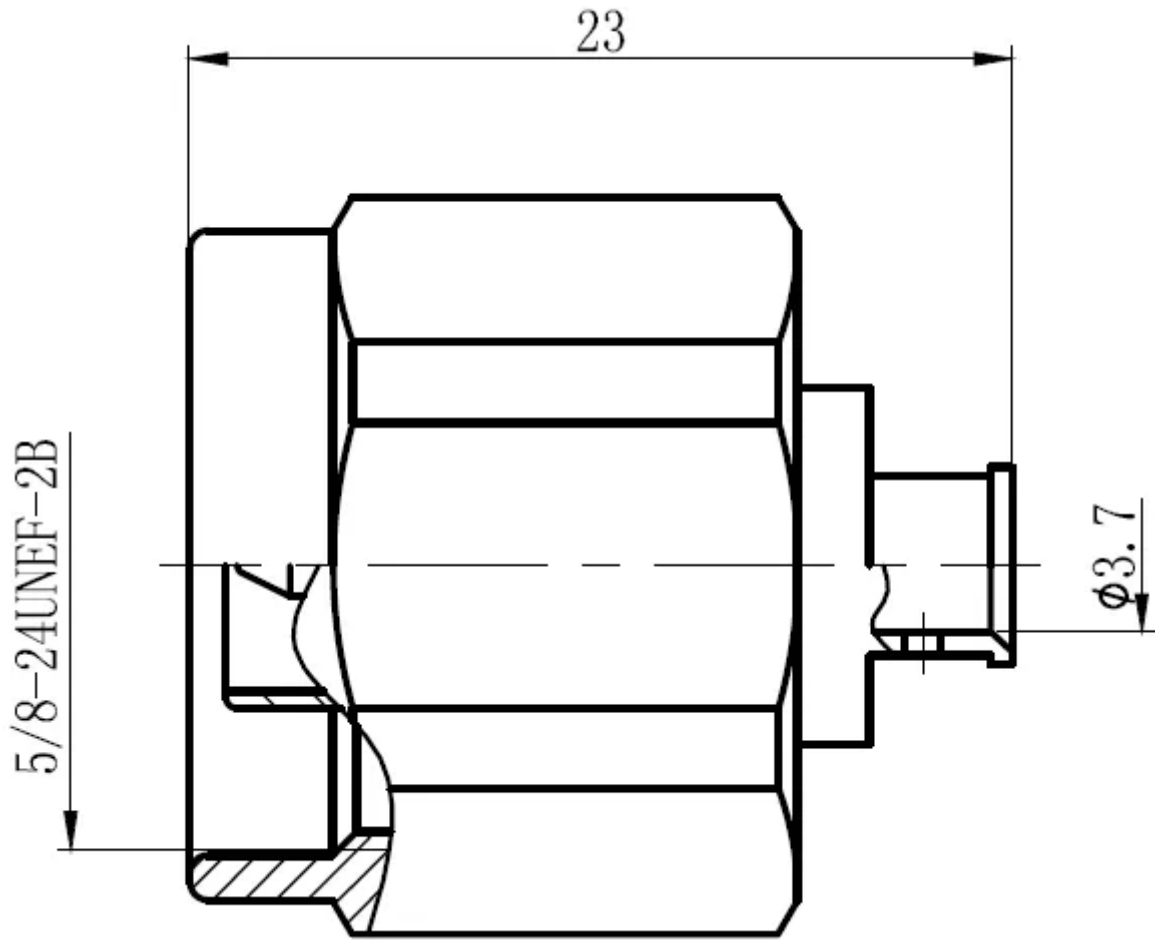
#### VSWR Measurement

| Frequency | VSWR          |
|-----------|---------------|
| 3000 MHz  | $\leq 1.15:1$ |
| 6000 MHz  | $\leq 1.3:1$  |

## Physical Specification

|                            |                             |                             |                              |
|----------------------------|-----------------------------|-----------------------------|------------------------------|
| Cable Group:               | RG-402                      | Conductor Attachment:       | Cable, Solder                |
| Body Material:             | Brass                       | Contact Material:           | Brass                        |
| Body Plating:              | White Bronze                | Contact Plating:            | White Bronze                 |
| Insulator Material:        | PTFE / Teflon               | Min. Operating Temperature: | $-40 \text{ }^\circ\text{C}$ |
| Dimensions:                | $23 \times 21 \times 21$    | Max. Operating Temperature: | $85 \text{ }^\circ\text{C}$  |
| Weight:                    | 25.7 g                      | Mating Cycles:              | $> 500$                      |
| Compliance/Certifications: | ISO 9001 Quality Management |                             |                              |
| RoHS                       |                             |                             |                              |

Drawing



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