

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

| | | | |
|------------------|-------|---------------------------|------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 6 GHz | Inner Contact Resistance: | ≤ 1 mΩ |
| | | Insulation Resistance: | ≥ 5000 mΩ |
| | | Outer Contact Resistance: | ≤ 0.25 mΩ |
| | | RF Operating Voltage: | ≤ 500 Vrms |

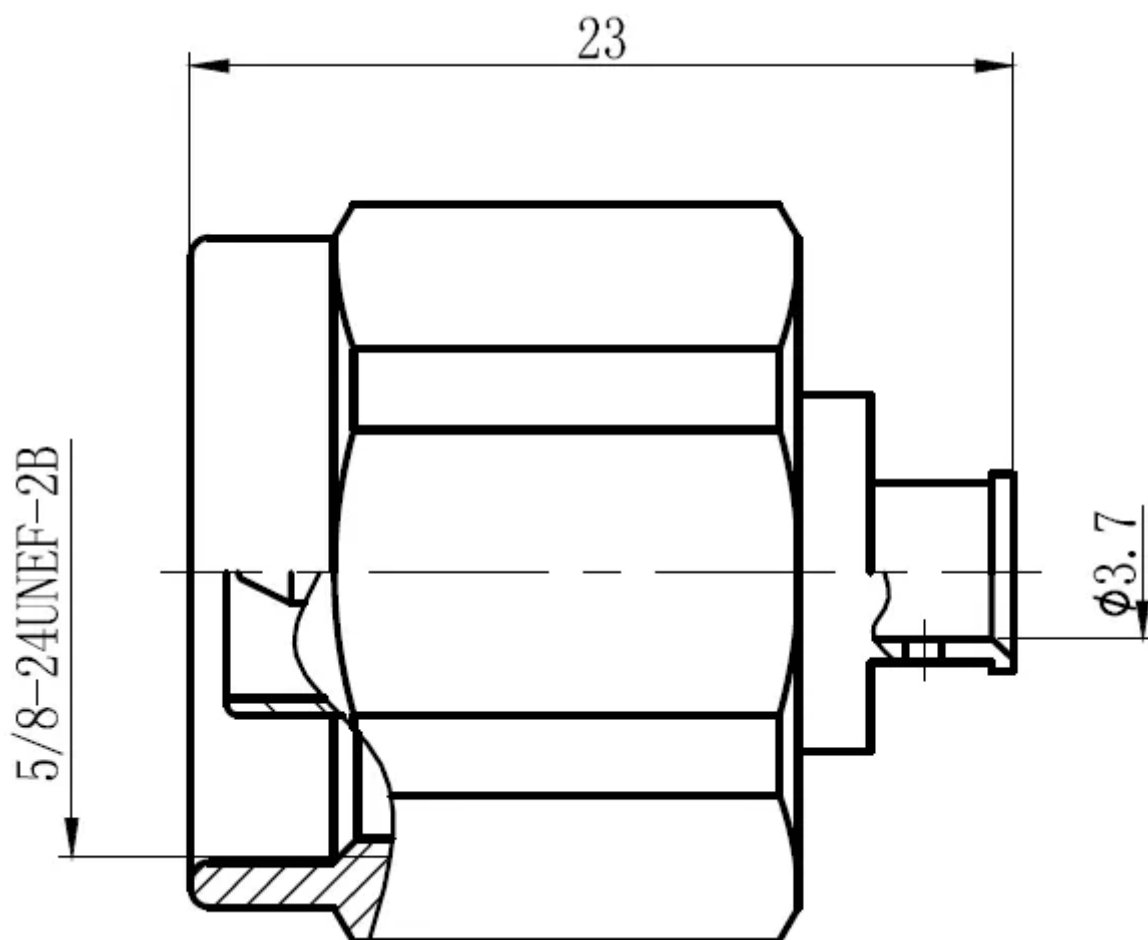
VSWR Measurement

| Frequency | VSWR |
|-----------|----------|
| 3000 MHz | ≤ 1.15:1 |
| 6000 MHz | ≤ 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 °C |
| Dimensions: | 23 × 21 × 21 | Max. Operating Temperature: | 85 °C |
| Weight: | 25.7 g | Mating Cycles: | > 500 |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

Drawing



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