

# 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.

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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:	$\leq 500 \text{ Vrms}$

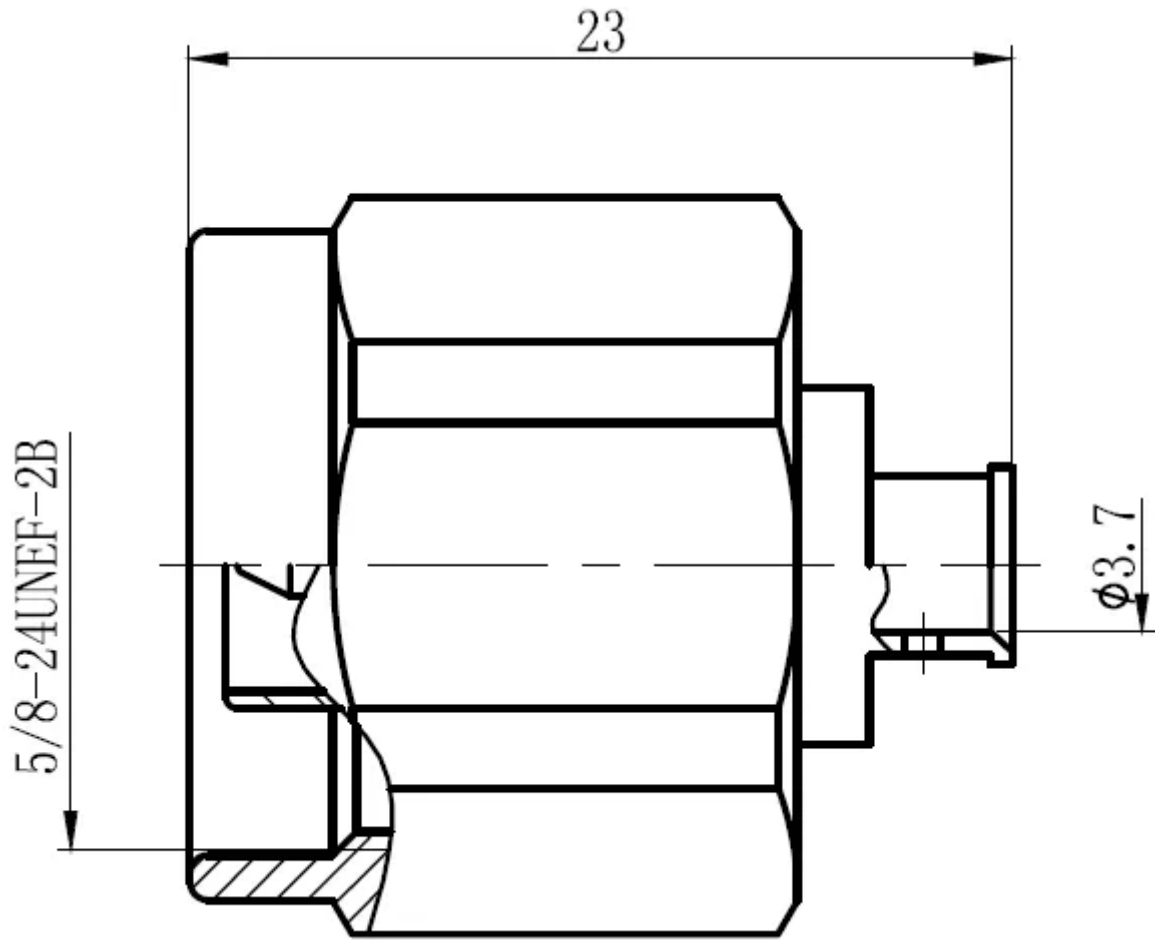
#### VSWR Measurement

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 °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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