

Powertec Wireless Technology ABN: 42 082 948 463 PO Box 1034, Ashmore City Queensland, Australia, 4214 sales@powertec.com.au 1300 769 378

N Male Four-Hole Flange Connector with Round Post

SKU: N1-4F-RP001 MPN: N1-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 connector is used to terminate coaxial cable types onto a panel where both the inner conductor and outer braid are soldered accordingly. The 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 Male 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.

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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	4-Hole Flange

RF Specification

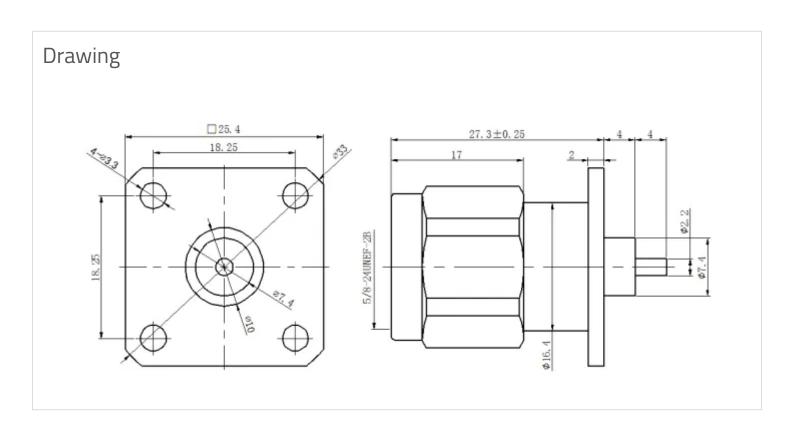
Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	4 GHz	Inner Contact Resistance:	≤ 1 mΩ
		Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 1 mΩ
		RF Operating Voltage:	≤ 500 Vrms

VSWR Measurement

Frequency	VSWR
4000 MHz	≤ 1.3:1

Physical Specification

Body Material:	Brass	Conductor Attachment:	Round Post
Body Plating:	Nickel	Contact Material:	Beryllium Copper
Insulator Material:	PTFE / Teflon	Contact Plating:	White Bronze
Dimensions:	27.3 × 25.4 × 25.4	Min. Operating Temperature:	-40 °C
Weight:	44.5 g	Max. Operating Temperature:	85 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS	1		



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