

# RF Adapter, 4.3-10 Female to N Female Four-Hole Flange

SKU: ACC-PT-00419

MPN: AD-432N2-4F

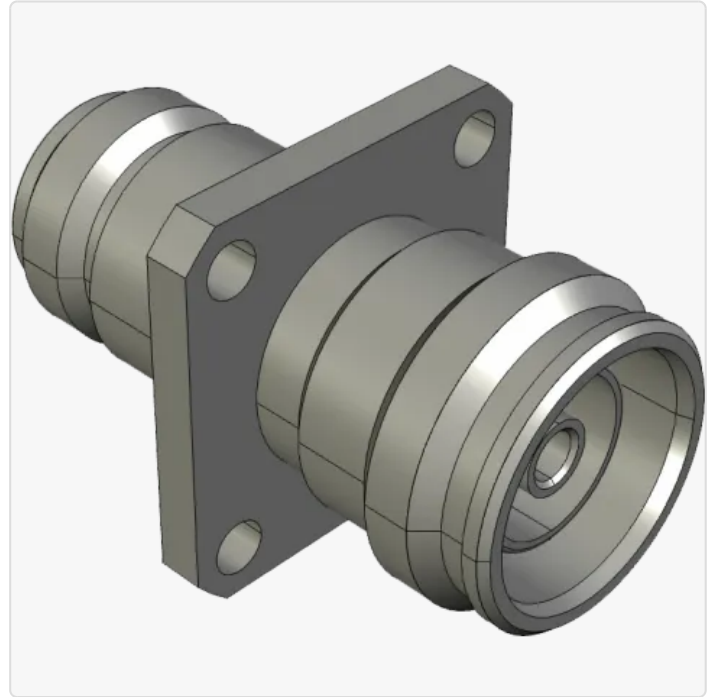
## Description

The RF Adapter 4.3-10 Female to N Female Four-Hole Flange (Part Number: AD-432N2-4F) is a high-quality 50  $\Omega$  coaxial adapter designed by Powertec, an Australian wireless technology manufacturer. This adapter features a 4.3-10 Female interface with a straight body and 4-Hole Flange Front Mount, compatible with 4.3-10 Male interfaces. On the other side, it has an N Female interface with a straight body and 4-Hole Flange Rear Mount, compatible with N Male interfaces.

The adapter operates within a frequency range of 0 to 6 GHz and is constructed from Phosphor-Bronze with a Trimetal finish. The inner contacts are made of Phosphor Bronze and Silver-plated for optimal conductivity. It is designed to operate in temperatures ranging from -40 °C to 85 °C and meets ISO 9001 and RoHS compliance standards.

Tested to MIL-STD-202 for shock and vibration, this adapter ensures reliable performance and robust connectivity in harsh conditions. Powertec...

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## 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
4.3-10 Female	Straight	4-Hole Flange
N Female	Straight	4-Hole Flange

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	≤ 1 mΩ
RF Operating Voltage:	≥ 500 Vrms	Insulation Resistance:	≥ 5000 mΩ
PIM, 3rd Order:	≤ -160 dBc	Outer Contact Resistance:	≤ 1 mΩ

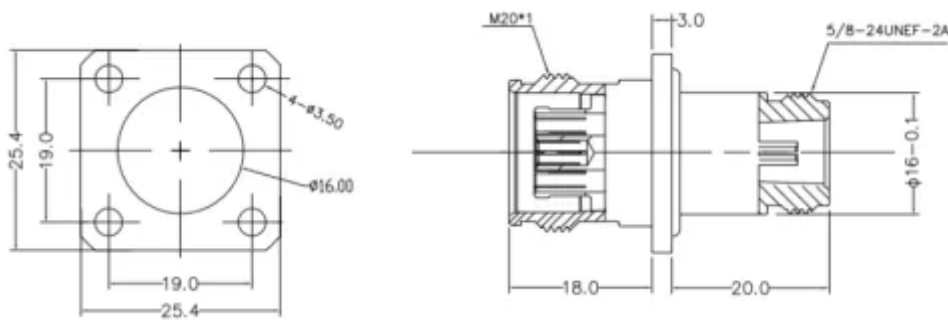
### VSWR Measurement

Frequency	VSWR	Insertion Loss
3000 MHz		0.1 dB
6000 MHz	≤ 1.2:1	

## Physical Specification

Body Material:	Phosphor Bronze	Contact Material:	Phosphor Bronze
Body Plating:	White Bronze	Contact Plating:	Silver
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Dimensions:	41 x 25.4 x 25.4 mm	Max. Operating Temperature:	85 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS		Mechanical Compliance:	IEC 60068-2-27: Mechanical Shock
			IEC 60068-2-6: Vibration

# Drawing



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