

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

SKU: ACC-PT-00419

MPN: AD-432N2-4F

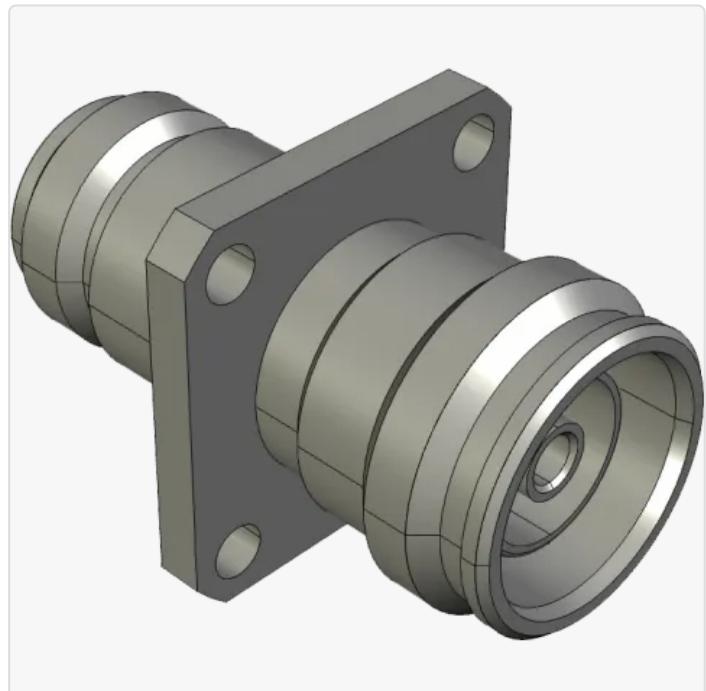
## Description

The RF Adapter 4.3-10 Female to N Female Four-Hole Flange (Part Number: AD-432N2-4F) is a high-quality 50 Ω 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...

[Read More](#)



# 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:	$\leq 1 \text{ m}\Omega$
RF Operating Voltage:	$\geq 500 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -160 \text{ dBc}$	Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$

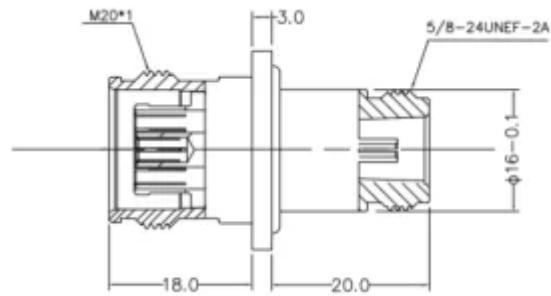
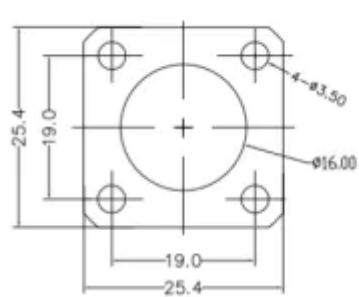
## VSWR Measurement

Frequency	VSWR	Insertion Loss
3000 MHz		0.1 dB
6000 MHz	$\leq 1.2:1$	

## 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



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

