

# RF Adapter 4.3-10 Female to 4.3-10 Female Bulkhead

SKU: IBC-PT-00035

MPN: AD-432432-BRM

Barcode: 9337692001741

## Description

The RF Adapter 4.3-10 Female to 4.3-10 Female Bulkhead (Part Number: AD-432432-BRM) is a high-quality 50  $\Omega$  coaxial RF adapter from Powertec, an Australian manufacturer renowned for wireless technology solutions. This adapter features a straight body with bulkhead rear and front mounts, making it compatible with 4.3-10 Male interfaces.

Operating within a frequency range of 0 GHz to 6 GHz, the adapter is constructed from brass with a nickel finish, and its inner contacts are made of silver-plated brass. It functions effectively in temperatures ranging from -40 °C to 85 °C. The product is ISO 9001 compliant and RoHS certified, ensuring adherence to quality and environmental standards.

Additionally, the adapter has been tested to a PIM rating of  $\leq -165$  dBc, making it suitable for high-performance applications. Powertec's commitment to quality and innovation makes this RF adapter a reliable choice for enhancing cellular networks and other...

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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	Bulkhead
4.3-10 Female	Straight	Bulkhead

## 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:	$\leq -165\text{ dBc}$	Outer Contact Resistance:	$\leq 1\text{ m}\Omega$

### VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.5:1$

## Physical Specification

Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Silver
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	85 °C
RoHS	'	Mating Cycles:	> 500
		Mechanical Compliance:	IEC 60068-2-27: Mechanical Shock
		'	
		IEC 60068-2-6: Vibration	

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