

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 Ω 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 ≤ -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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