

RF Adapter 4.3-10 Female to 4.3-10 Female

SKU: IBC-PT-00064

MPN: AD-432432

Barcode: 9337692002380

Description

The RF Adapter 4.3-10 Female to 4.3-10 Female (Part Number: AD-432432) is a 50 Ω coaxial adapter designed by Powertec. This adapter features a 4.3-10 Female interface on both ends, each with a straight body shape and a free-hanging mounting mechanism, ensuring compatibility with 4.3-10 Male interfaces. It supports an operating frequency range from 0 GHz to 6 GHz, making it versatile for various RF applications.

Constructed from brass with a nickel finish, and inner contacts plated with phosphor bronze, this adapter guarantees durability and reliable performance. It is operational in temperatures from -40 °C to 85 °C. The product adheres to ISO 9001 Quality Management standards and complies with RoHS directives, ensuring high quality and environmental safety.

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RF Connector Interface

RF Interface	Body Shape	Mounting
4.3-10 Female	Straight	Free Hanging
4.3-10 Female	Straight	Free Hanging

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:	$\geq 5000 \text{ m}\Omega$
		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:	Phosphor Bronze
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	85 °C
RoHS		Mating Cycles:	> 500

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