

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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