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# 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
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
PIM, 3rd Order
≤ -165 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ

Outer Contact Resistance
≤ 1 mΩ
VSWR Measurement

| Frequency | VSWR |
| --- | --- |
| 6000 MHz | ≤ 1.5:1 |

## Physical Specification

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

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