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4.3-10 Male Four-Hole Flange Connector with Round Post

SKU
ACC-PT-00418
MPN
431-4F-RP001

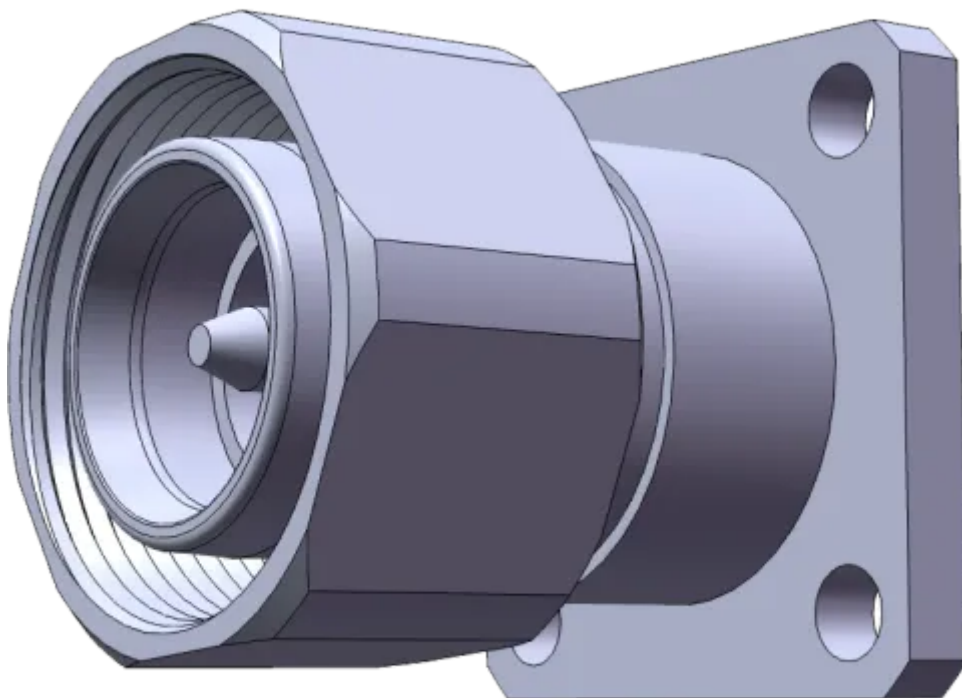
Description

The 4.3-10 Male Four-Hole Flange Connector with Round Post (SKU: ACC-PT-00418) by Powertec, part number 431-4F-RP001, is a high-quality RF connector designed for reliable performance in various applications. This coaxial connector features a straight body with a four-hole flange front mount, ideal for secure attachment to cables using a round post mechanism.

Constructed with a robust brass body and inner contacts, both plated in silver, it ensures excellent conductivity and durability. The PTFE/Teflon insulator offers superior electrical insulation, supporting an input impedance of $50\ \Omega$ and insulation resistance of $\geq 5000\ \text{m}\Omega$. It operates efficiently across a frequency range of 0 to 3.0 GHz, handling RF operating voltage up to 500 Vrms.

This connector is designed to endure multiple mating cycles and performs optimally within a specified temperature range. It exhibits a low VSWR of $\leq 1.20:1$, ensuring minimal signal reflection. The product...

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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 Male](#) [Straight](#) [4-Hole Flange](#)

RF Specification

Start Frequency

0 GHz

Stop Frequency

3 GHz

Input Impedance

50 Ω

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

RF Operating Voltage

$\leq 500 \text{ Vrms}$

VSWR Measurement

Frequency VSWR

3000 MHz $\leq 1.2:1$

Physical Specification

Body Material

[Brass](#)

Body Plating

[Silver](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

34.8 x 25.4 x 19

Compliance/Certifications

[RoHS](#)

Conductor Attachment

[Round Post](#)

Contact Material

[Brass](#)

Contact Plating

[Silver](#)

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