

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

SKU: ACC-PT-00418

MPN: 431-4F-RP001

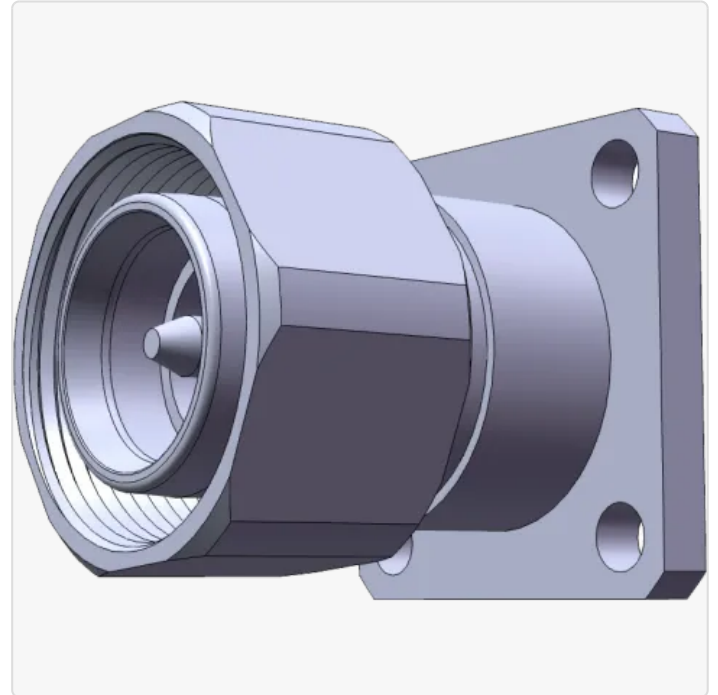
Description

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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RF Connector Interface

| | | |
|--------------|------------|---------------|
| RF Interface | Body Shape | Mounting |
| 4.3-10 Male | Straight | 4-Hole Flange |

RF Specification

| | | | |
|------------------|-------|------------------------|------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 3 GHz | Insulation Resistance: | ≥ 5000 mΩ |
| | | RF Operating Voltage: | ≤ 500 Vrms |

VSWR Measurement

| Frequency | VSWR |
|-----------|---------|
| 3000 MHz | ≤ 1.2:1 |

Physical Specification

| | | | |
|----------------------------|------------------|-----------------------|------------|
| Body Material: | Brass | Conductor Attachment: | Round Post |
| Body Plating: | Silver | Contact Material: | Brass |
| Insulator Material: | PTFE / Teflon | Contact Plating: | Silver |
| Dimensions: | 34.8 x 25.4 x 19 | | |
| Compliance/Certifications: | RoHS | | |

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