

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

SKU: ACC-PT-00418

MPN: 431-4F-RP001

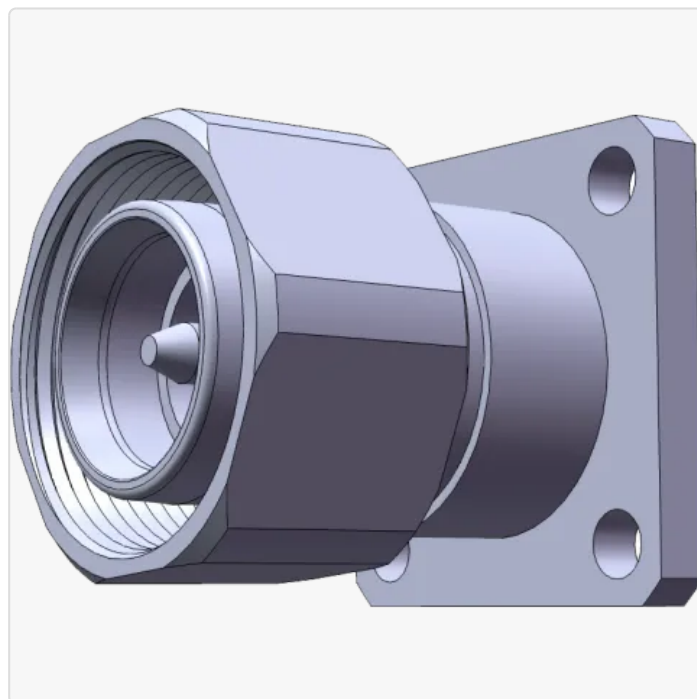
Description

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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