

# Powertec 4x4 Hybrid Combiner, 700-3800MHz, N Female

SKU: ACC-BH-00033

MPN: PCM-HY4-7038-N2

Barcode: 9337692004438

## Description

The Powertec 4x4 Hybrid Combiner (SKU: ACC-BH-00033) is a high-quality RF passive component designed for optimal performance across a frequency range of 698 MHz to 3800 MHz. This hybrid coupler offers a coupling value of 6.1 dB and features N Female connectors on both input and output ports for seamless integration into existing systems. It boasts a VSWR of less than 1.3:1 and inter-port isolation exceeding 23 dB, ensuring minimal signal reflection and interference.

Engineered for durability, the combiner holds an IP65 ingress protection rating, making it suitable for outdoor environments. It operates reliably within temperatures ranging from -25 °C to 75 °C, accommodating various installation conditions. With a 3rd order PIM rating of -160 dBc and an impedance of 50 Ω, it ensures exceptional signal integrity and performance stability.

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# RF Specification

Min. Frequency:	698 MHz	Input Impedance:	50
Max. Frequency:	3800 MHz	Max. Input Power:	200 W
Coupling / Split:	6.1 dB	PIM, 3rd Order:	-160 dBc

## Port Matrix

Port Function	RF Interface
Input	N Female
Output	N Female

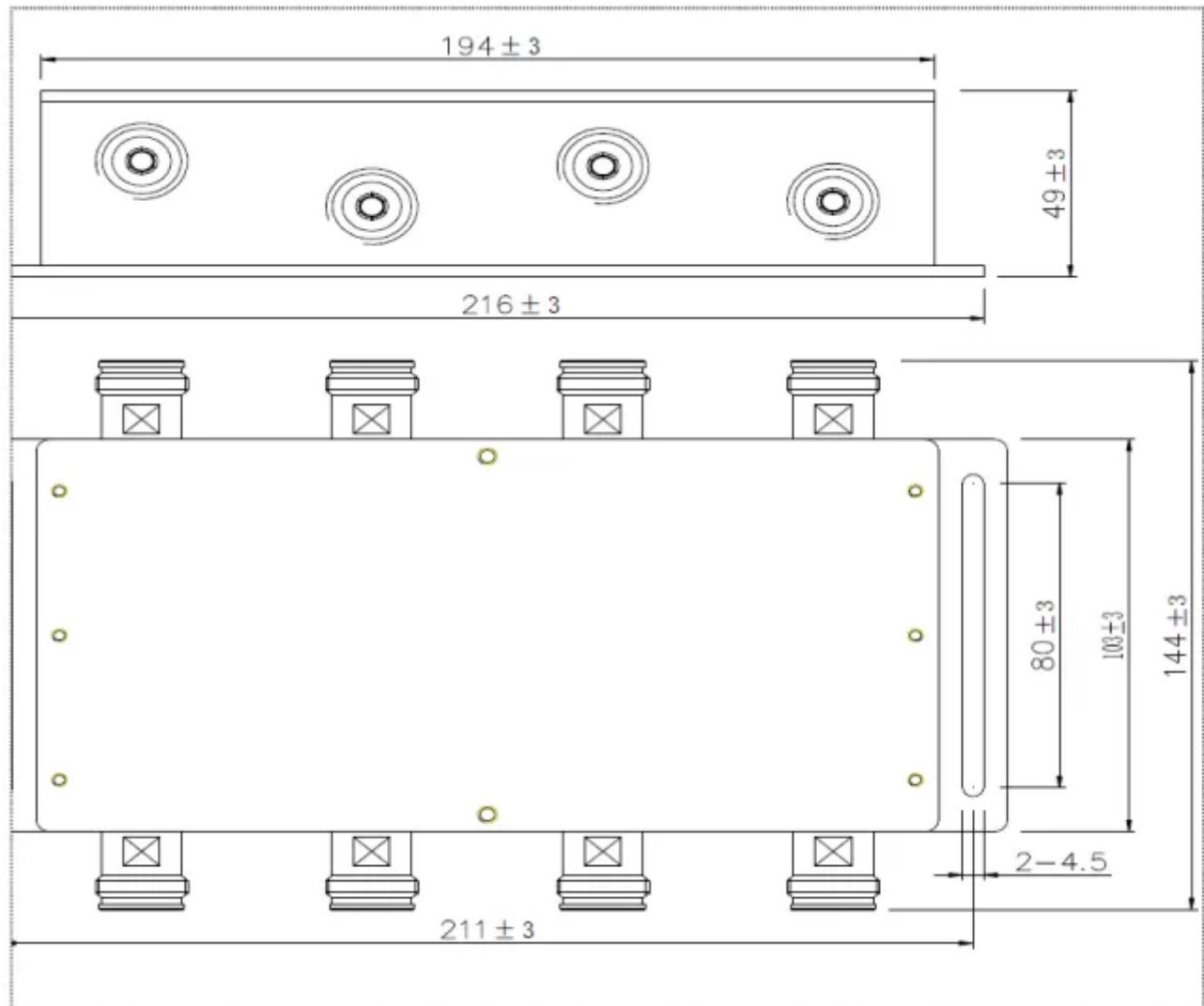
## Frequency Test Data

Start Frequency	Stop Frequency	VSWR	Inter-Port Iso.
698 MHz	3800 MHz	< 1.25:1	> 23 dB

## Physical Specification

Input Ports:	4	Min. Operating Temperature:	-25 °C
Output Ports:	4	Max. Operating Temperature:	75 °C
Subtype:	Hybrid Coupler		
Ingress Protection:	IP65		
Dimensions:	216x194x49		
Weight:	1.3 kg		

# Drawing



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