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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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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 Specification

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

Port Function	RF Interface
Input	N Female
Output	N Female

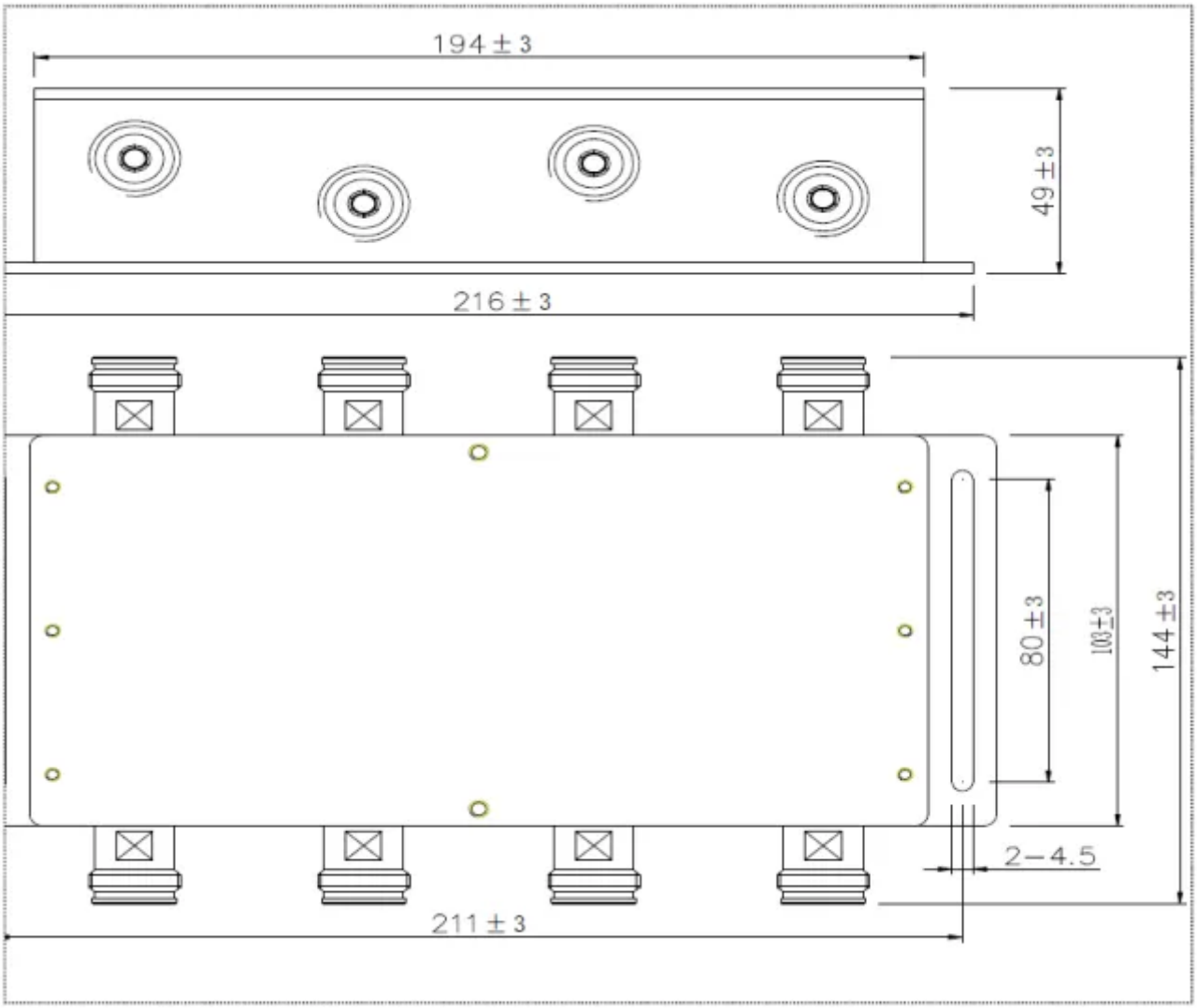
Frequency Test Data

Start Frequency	Stop Frequency	VSWR	Inter-Port Iso.

698 MHz	3800 MHz	< 1.25:1 > 23 dB

Physical Specification

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



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