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Powertec Wireless Technology
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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.

Powertec, established in 1995, is a renowned wireless technology provider, offering extensive services...

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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 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

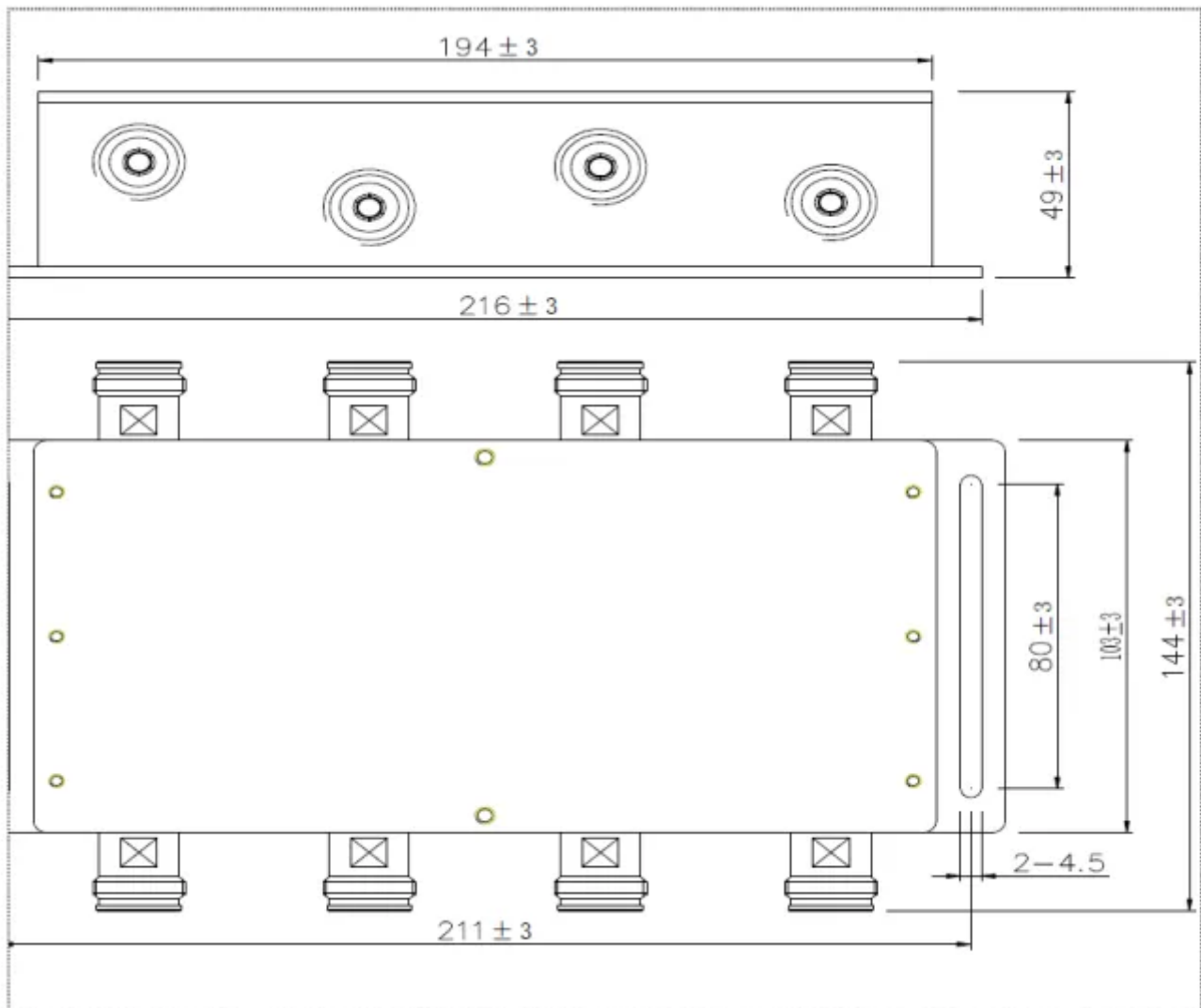
Min. Operating Temperature

-25 °C

Max. Operating Temperature

75 °C

Drawing



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