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Powertec 2x2 Hybrid Combiner, 700-3800MHz, N Female, -155dBc

SKU
IBC-PT-00108
MPN
PCM-HY2-6938.N2
Barcode
9337692005329

Description

The Powertec 2x2 Hybrid Combiner (SKU: IBC-PT-00108, Part Number: PCM-HY2-6938.N2) is an advanced RF passive component designed for optimal performance across a frequency range of 698 MHz to 3800 MHz. With a coupling/division value of 3 dB, it ensures efficient signal distribution. This device features N Female connectors for both input and output ports, facilitating easy integration into existing systems.

Certified with an IP65 rating, it is robust and suitable for outdoor applications, capable of operating in temperatures from -25 °C to 75 °C. The Hybrid Combiner boasts a 3rd Order PIM rating of -155 dBc, maintaining high signal integrity. Its electrical performance includes a VSWR of less than 1.3:1, an insertion loss of 1.00 dB, and inter-port isolation greater than 22 dB, making it ideal for demanding wireless infrastructure setups.

Compliant with RoHS standards, this component meets modern environmental regulations. Its compact...

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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
3 dB
Input Impedance
50 Ω
Max. Input Power
200 W
PIM, 3rd Order
-155 dBc
Port Matrix

Port Label	Port Function	RF Interface
IN	Input	N Female
OUT	Output	N Female

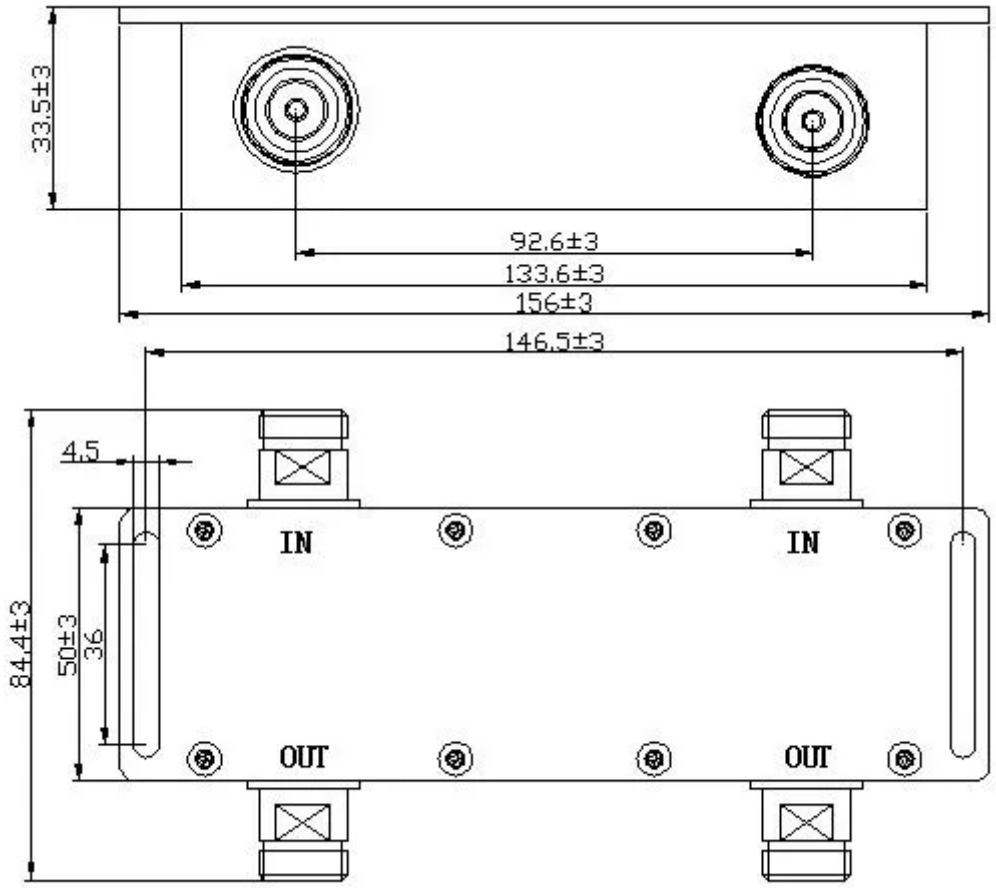
Frequency Test Data

Start Frequency	Stop Frequency	VSWR	Insertion Loss	Inter-Port Iso.

698 MHz	3800 MHz	< 1.3:1 1 dB	> 22 dB

Physical Specification

Input Ports
2
Output Ports
2
Subtype
Hybrid Coupler
Ingress Protection
IP65
Dimensions
146.5 x 84.4 x 36
Weight
0.56 kg
Min. Operating Temperature
-25 °C
Max. Operating Temperature
75 °C
Compliance/Certifications
RoHS
Drawing



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