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Powertec RF Power Divider 2-Way, 698 to 3800 MHz, 4.3-10 Female, Wilkinson

SKU
IBC-PT-00057
MPN
PCM-PD2-6938.432
Barcode
9337692001949

Description

The Powertec RF Power Divider 2-Way (SKU: IBC-PT-00057) is a robust component designed for optimal RF signal distribution across a frequency range of 698 to 3800 MHz. With a Wilkinson design, it ensures a precise 3 dB division with minimal signal loss, featuring an insertion loss of just 0.80 dB and inter-port isolation exceeding 20 dB. Its VSWR is maintained at less than 1.3:1, ensuring efficient performance.

Constructed with 4.3-10 Female connectors for both input and output ports, this power divider guarantees reliable connectivity. It operates effectively in temperatures from -30 °C to 65 °C and holds an IP60 ingress protection rating, making it suitable for various environmental conditions. With dimensions of 72 x 61 x 24 mm, it offers a compact solution for RF network applications.

Manufactured by Powertec, a leading Australian company in wireless technology and systems integration, this component is supported by their extensive...

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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
3700 MHz
Coupling / Split
3 dB
Input Impedance
50 Ω
Max. Input Power
50 W
Port Matrix

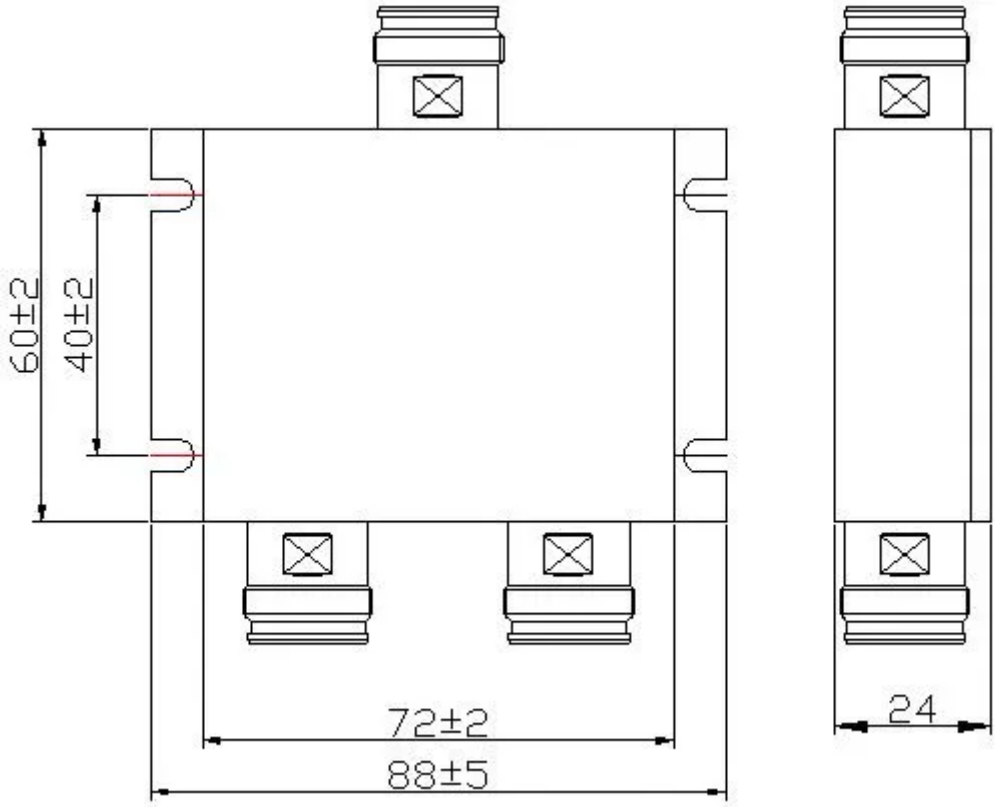
Port Function	RF Interface
Input	4.3-10 Female
Output	4.3-10 Female

Frequency Test Data

Start Frequency	Stop Frequency	VSWR	Insertion Loss	Inter-Port Iso.
698 MHz	3700 MHz	< 1.25:1	0.8 dB	> 20 dB

Physical Specification

Input Ports
1
Output Ports
2
Subtype
Power Divider
Ingress Protection
IP60
Dimensions
72 x 61 x 24
Weight
0.24 kg
Min. Operating Temperature
-30 °C
Max. Operating Temperature
65 °C
Drawing



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