

# 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

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	Input Impedance:	50
Max. Frequency:	3700 MHz	Max. Input Power:	50 W
Coupling / Split:	3 dB		

## Port Matrix

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

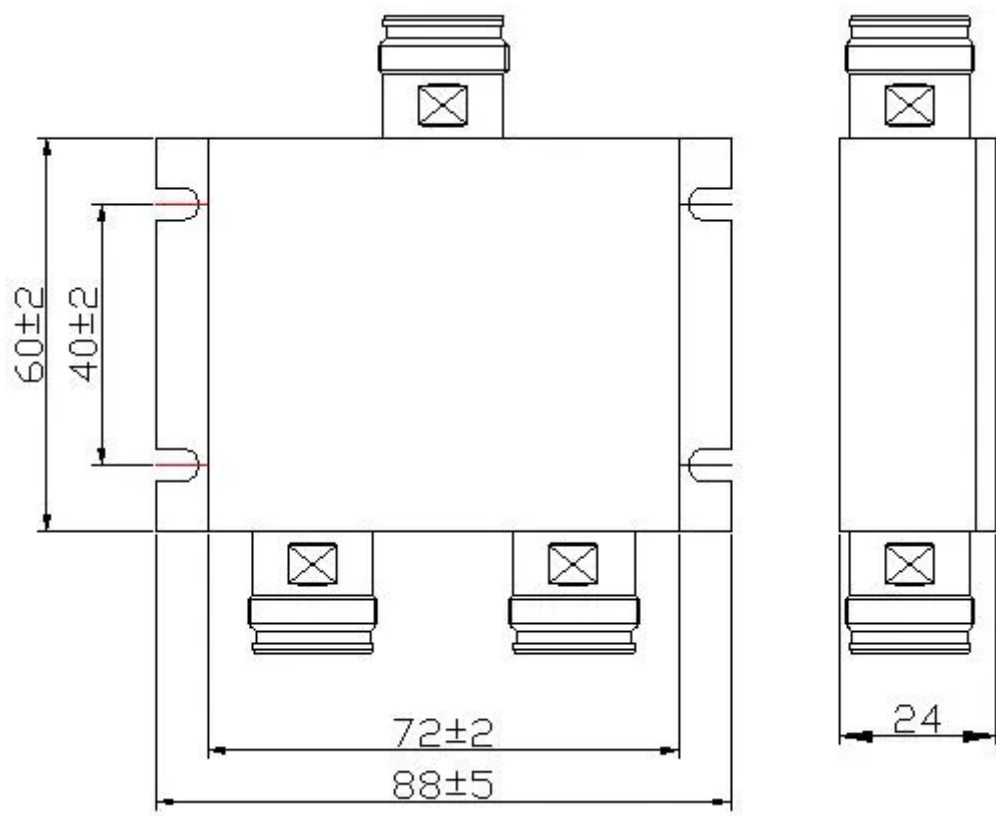
## Frequency Test Data

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

Drawing



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