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Powertec Wireless Technology  
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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

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  $\Omega$

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

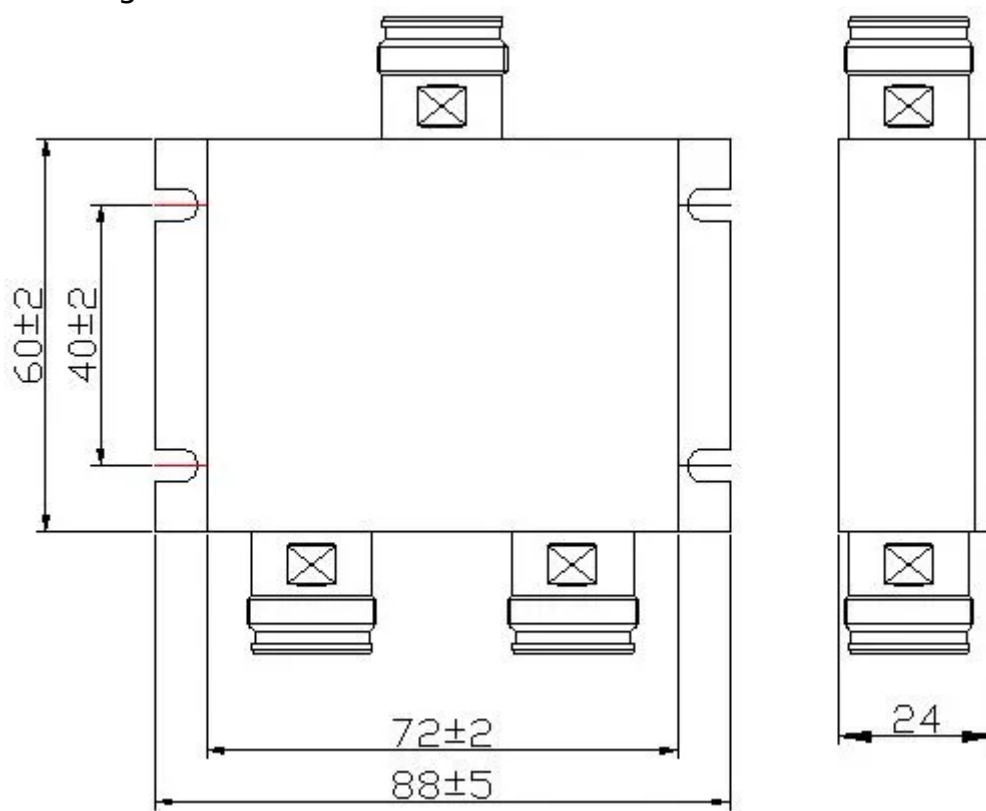
Min. Operating Temperature

-30 °C

Max. Operating Temperature

65 °C

Drawing



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