

Powertec RF Power Divider 4-Way, 698 to 3800 MHz, N Female, Wilkinson, 22dB isolation

SKU: IBC-PT-00102

MPN: PCM-PD4-6938.N2

Barcode: 9337692004353

Description

The Powertec RF Power Divider 4-Way (SKU: IBC-PT-00102) efficiently splits signals across a frequency range of 698 to 3800 MHz with a division value of 6 dB. Designed for optimal performance, it features 22 dB isolation and a VSWR of <math><1.3:1</math>, ensuring minimal signal reflection. The unit's insertion loss is 1.20 dB, with inter-port isolation exceeding 18 dB, providing reliable signal integrity.

Built with robust N Female connectors, the divider supports seamless integration in RF systems. Its compact dimensions of 222x71x24 mm and IP60 ingress protection make it suitable for various environments. Operating reliably between -30 °C and 65 °C, it suits diverse applications, including cellular network enhancements and wireless networks.

The Power Divider is manufactured by Powertec, a trusted Australian company since 1995, known for its commitment to quality and innovation in wireless technology. With a 50 Ω input impedance, this Wilkinson divider is ideal for professionals looking to enhance system performance. Powertec supports its products with extensive procurement, design, and project management services across Australia, New Zealand, and beyond, reinforcing its position as a leading wireless technology distributor and systems integrator.



RF Specification

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 ...

| | | | |
|-------------------|----------|-------------------|------|
| Min. Frequency: | 698 MHz | Input Impedance: | 50 |
| Max. Frequency: | 3700 MHz | Max. Input Power: | 50 W |
| Coupling / Split: | 6 dB | | |

Port Matrix

| Port Function | RF Interface |
|---------------|--------------|
| Input | N Female |
| Output | N Female |
| Output | N Female |
| Output | N Female |
| Output | N Female |

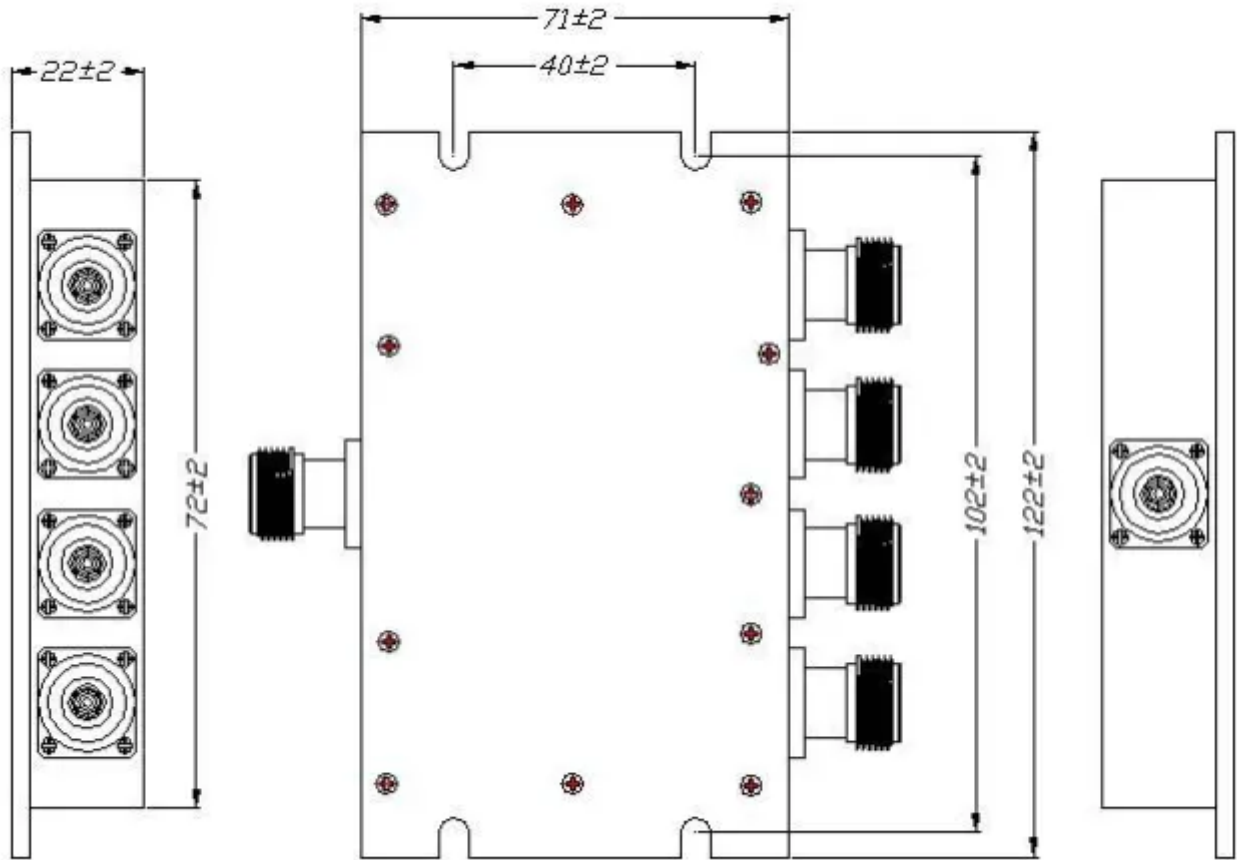
Frequency Test Data

| Start Frequency | Stop Frequency | VSWR | Insertion Loss | Inter-Port Iso. |
|-----------------|----------------|---------|----------------|-----------------|
| 698 MHz | 3700 MHz | < 1.3:1 | 1.2 dB | > 18 dB |

Physical Specification

| | | | |
|---------------------|---------------|-----------------------------|--------|
| Input Ports: | 1 | Min. Operating Temperature: | -30 °C |
| Output Ports: | 4 | Max. Operating Temperature: | 65 °C |
| Subtype: | Power Divider | | |
| Ingress Protection: | IP60 | | |
| Dimensions: | 222x71x24 | | |
| Weight: | 0.38 kg | | |

Drawing



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