Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

Powertec RF Power Divider, 4-Way, 698 to 3800 MHz, 4.3-10 Female, Wilkinson

SKU
IBC-PT-00059
MPN
PCM-PD4-6938.432
Barcode
9337692001963

Description

The Powertec 4-Way RF Power Divider (PCM-PD4-6938.432) is designed for efficient signal distribution across a frequency range of 698 to 3800 MHz. Manufactured by Powertec, it features robust 4.3-10 Female connectors on both input and output ports. With a division value of 6 dB, this divider ensures optimal signal performance for a variety of applications.

The unit is compact, measuring 120 x 102 x 24 mm, and is rated with an IP60 ingress protection, making it suitable for indoor installations. It operates reliably in temperatures ranging from -30 °C to 65 °C, ensuring durability in diverse environments. The device maintains an input impedance of 50 Ω, contributing to its high performance.

Key performance metrics include a VSWR of less than 1.3:1, an insertion loss of 1.20 dB, and inter-port isolation greater than 18 dB, ensuring minimal signal loss and interference. This makes it ideal for use in cellular network enhancement and wireless...

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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
6 dB
Input Impedance
50 Ω
Max. Input Power
50 W
Port Matrix

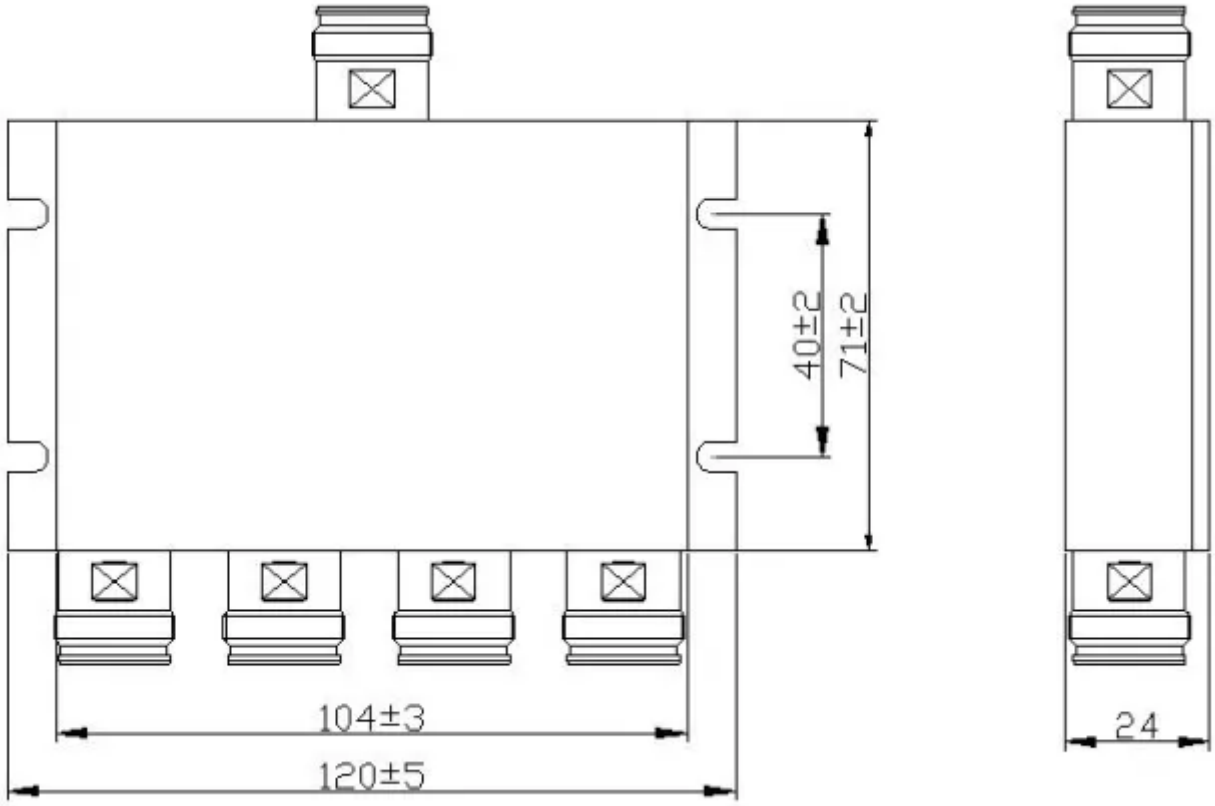
Port Function	RF Interface
Input	4.3-10 Female
Output	4.3-10 Female
Output	4.3-10 Female
Output	4.3-10 Female
Output	4.3-10 Female

Frequency Test Data

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

Physical Specification

Input Ports
1
Output Ports
4
Subtype
Power Divider
Ingress Protection
IP60
Dimensions
120 x 102 x 24
Weight
0.38 kg
Min. Operating Temperature
-30 °C
Max. Operating Temperature
65 °C
Drawing



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