

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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RF Specification

Min. Frequency:	698 MHz	Input Impedance:	50
Max. Frequency:	3700 MHz	Max. Input Power:	50W
Coupling / Split:	6 dB	Powertec is a wireless technology manufacturer and system 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 ...	

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

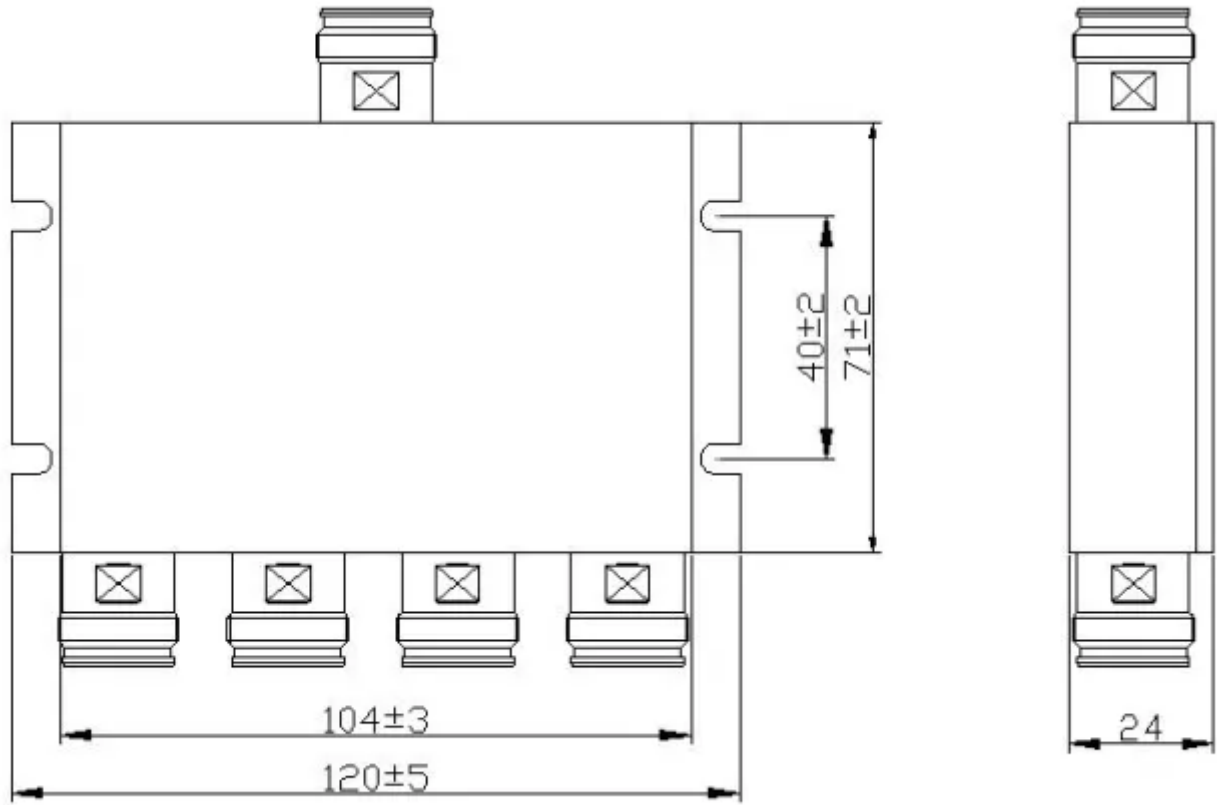
Frequency Test Data

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

Drawing



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