

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:	50 W
Coupling / Split:	6 dB		

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

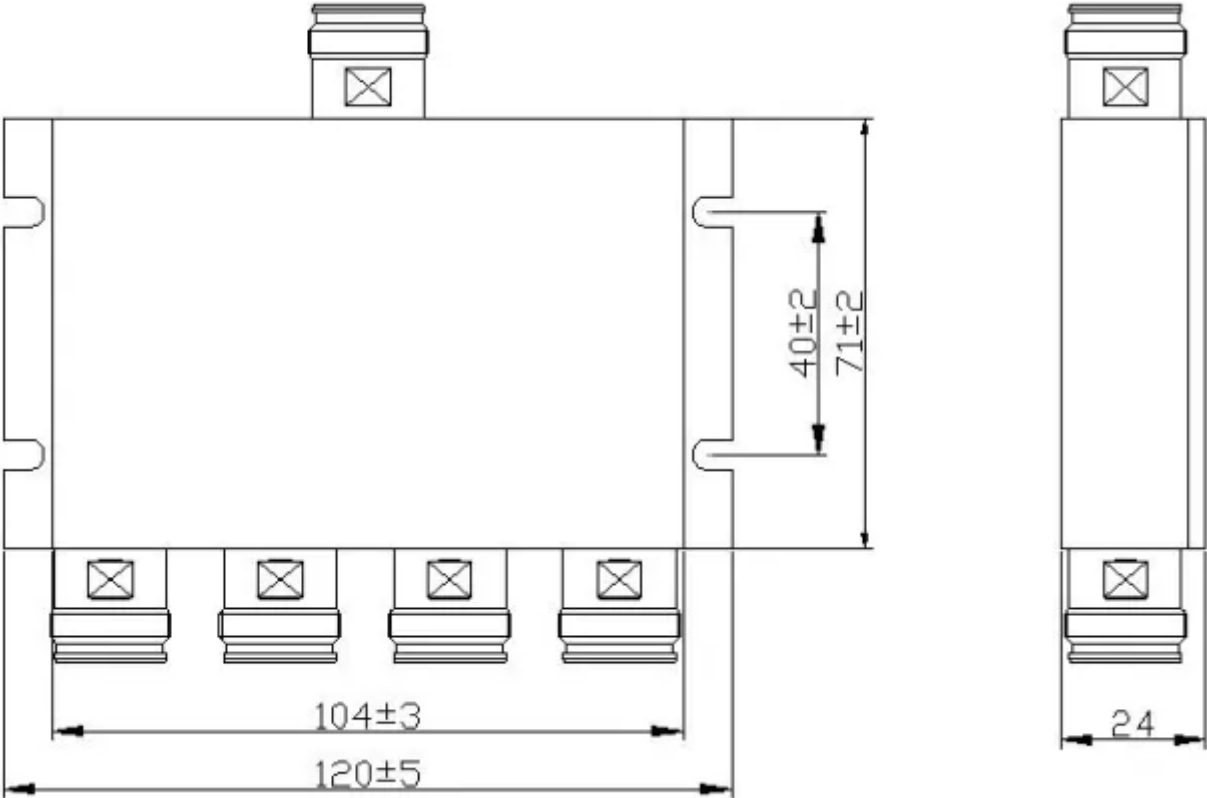
Frequency Test Data

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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