

Powertec RF Power Divider, 3-Way, 698 to 3800 MHz, 4.3-10 Female, Wilkinson

SKU: IBC-PT-00058

MPN: PCM-PD3-6938.432

Barcode: 9337692001956

Description

The Powertec RF Power Divider, 3-Way, model PCM-PD3-6938.432, effectively distributes RF signals across a frequency range of 698 to 3800 MHz. It features a Wilkinson design and uses 4.3-10 Female connectors for both input and output, ensuring seamless integration into various systems. With a coupling value of 4.8 dB, it maintains optimal signal strength and quality.

Constructed to withstand challenging environments, this power divider is certified with an IP60 ingress protection rating and operates efficiently between temperatures of -30 °C to 65 °C. Its compact dimensions of 120 x 71 x 24 mm make it a versatile choice for space-constrained applications. The device offers a 50 Ω input impedance, ensuring compatibility with standard RF equipment.

Performance features include a low VSWR of <1.3:1, minimal insertion loss of 1.20 dB, and inter-port isolation of >18 dB, providing reliable and efficient signal distribution. Manufactured by...

[Read More](#)



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	Input Impedance:	50
Max. Frequency:	3700 MHz	Max. Input Power:	50 W
Coupling / Split:	4.8 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

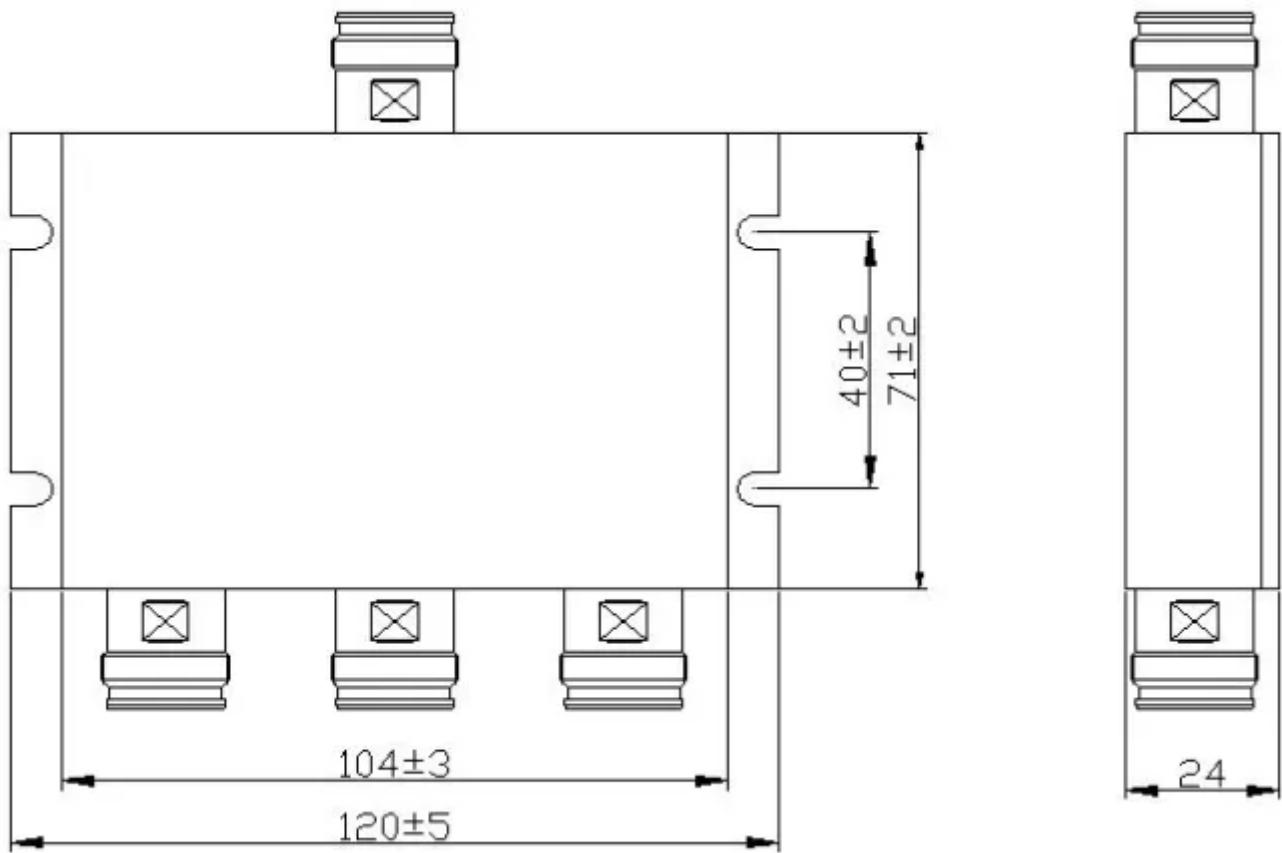
Frequency Test Data

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:	3	Max. Operating Temperature:	65 °C
Subtype:	Power Divider		
Ingress Protection:	IP60		
Dimensions:	120 x 71 x 24		
Weight:	0.35 kg		

Drawing



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

