

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

SKU: IBC-PT-00105

MPN: PCM-PD4-6938.SA2

Barcode: 9337692004384

## Description

The Powertec RF Power Divider 4-Way (SKU: IBC-PT-00105) is a high-performance RF passive component designed for efficient signal distribution across the 698-3800 MHz frequency range. Manufactured by Powertec, this divider features a Wilkinson design with 22 dB isolation, ensuring minimal signal interference. It offers a coupling value of 6 dB and is equipped with SMA Female connectors on both input and output ports, making it versatile for various RF applications.

This compact unit measures 120 x 40 x 21 mm and is rated IP60, providing robust protection against dust ingress. It operates reliably in temperatures from -30 °C to 65 °C, suiting diverse environmental conditions. The power divider maintains an input impedance of 50 Ω, with a VSWR of 1.3:1, ensuring efficient signal transmission. It also delivers an insertion loss of 1.20 dB and inter-port isolation of >18 dB, highlighting its superior performance in maintaining signal...

[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:	6 dB		

## Port Matrix

Port Function	RF Interface
Input	SMA Female
Output	SMA Female
Output	SMA Female
Output	SMA Female
Output	SMA Female

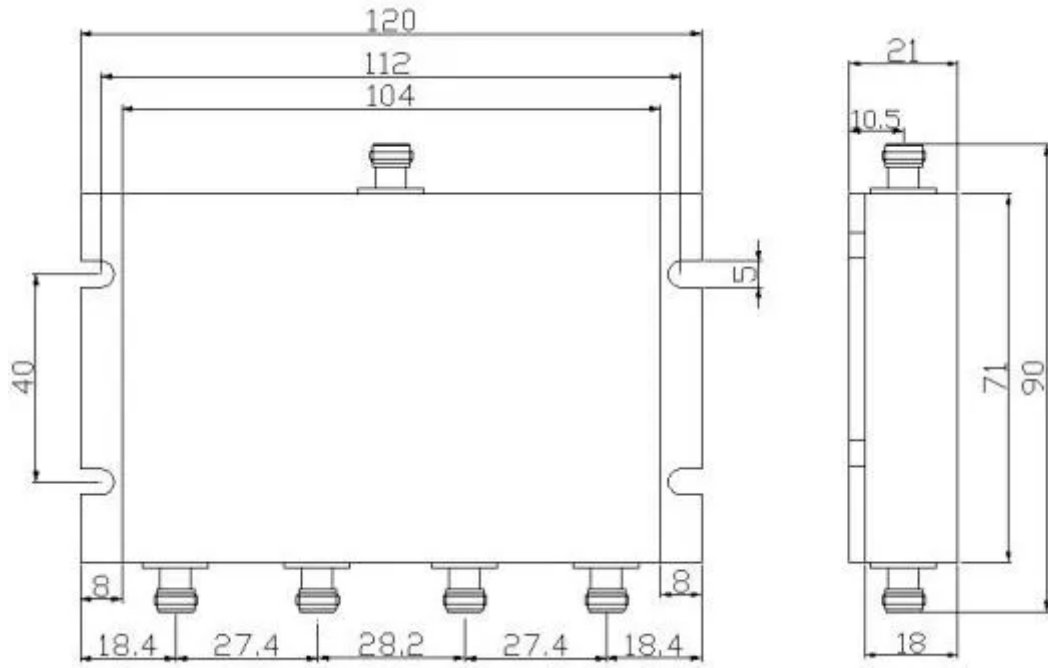
## Frequency Test Data

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 by 40 by 21		
Weight:	0.22 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.

