

# Powertec RF Power Divider 3-Way, 698 to 3800 MHz, N Female, Wilkinson, 22dB isolation

SKU: IBC-PT-00101

MPN: PCM-PD3-6938.N2

Barcode: 9337692004346

## Description

The Powertec RF Power Divider 3-Way (SKU: IBC-PT-00101, Part Number: PCM-PD3-6938.N2) is engineered for superior RF signal distribution across a frequency range of 698 to 3800 MHz. Featuring a Wilkinson design, it delivers a coupling value of 4.8 dB and ensures optimal signal integrity with an insertion loss of 1.20 dB. With an inter-port isolation greater than 18 dB and a VSWR of less than 1.3:1, it guarantees minimal signal interference and reflection.

This power divider is equipped with N Female connectors for both input and output ports, maintaining a consistent 50  $\Omega$  input impedance. It is robustly constructed with dimensions of 224.2 x 71.2 x 27.2 mm and is rated IP60 for dust protection. Designed to operate in harsh environments, it functions efficiently within a temperature range of -30 °C to 65 °C.

Manufactured by Powertec, a leading Australian wireless technology provider, this component is ideal for applications in cellular...

[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	N Female
Output	N Female
Output	N Female
Output	N Female

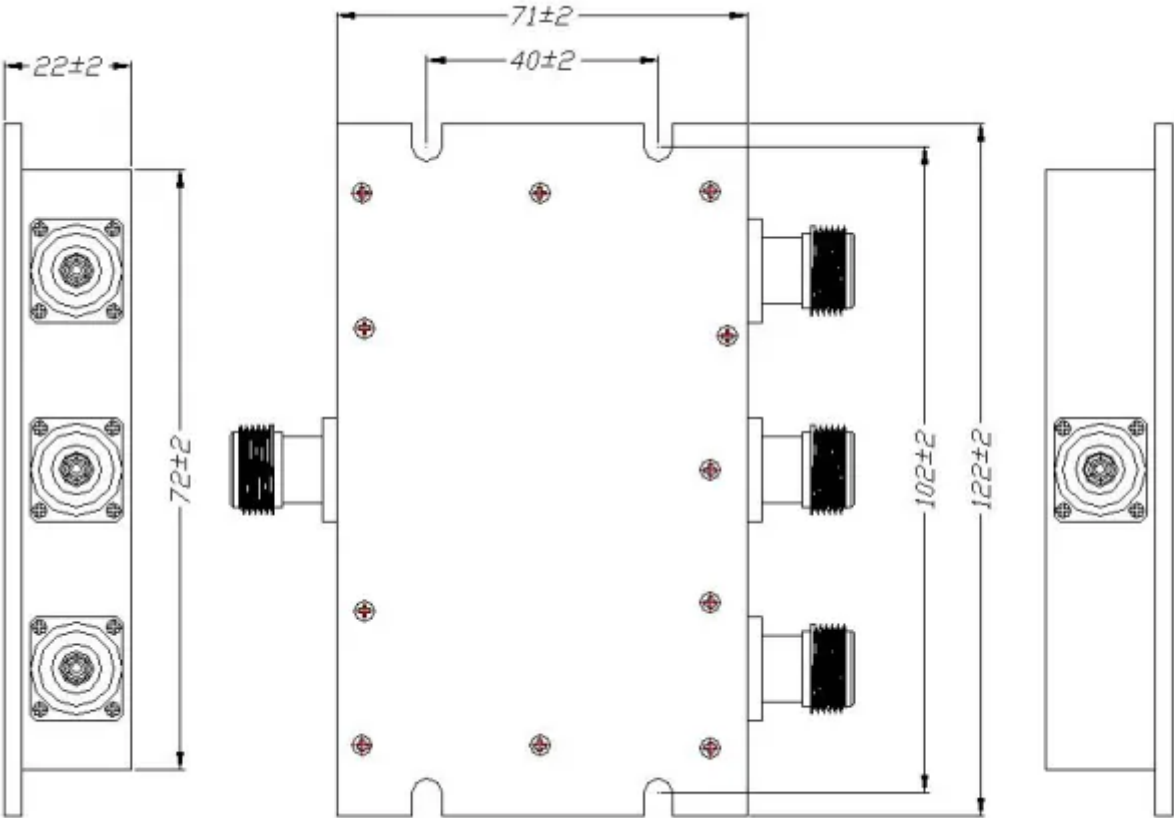
## Frequency Test Data

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:	224.2 x 71.2 x 27.2		
Weight:	0.34 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.

