

# Powertec RF Power Divider 2-Way, 698 to 3800 MHz, N Female, Wilkinson, 22dB isolation

SKU: IBC-PT-00100

MPN: PCM-PD2-6938.N2

Barcode: 9337692004339

## Description

The Powertec RF Power Divider 2-Way (SKU: IBC-PT-00100) is an efficient solution for RF signal distribution, designed for use in various wireless communication applications. Operating within a frequency range of 698 to 3800 MHz, this divider ensures reliable performance with a 3 dB division value and excellent isolation of over 20 dB. It features N Female connectors on both input and output ports, supporting a 50  $\Omega$  input impedance.

Constructed with a compact design measuring 62 x 42 x 20 mm, the Power Divider is built to withstand harsh conditions, certified with an IP60 ingress protection rating, and operational in temperatures ranging from -30 °C to 65 °C. With a VSWR of less than 1.3:1 and an insertion loss of just 0.80 dB, it ensures minimal signal loss and optimal performance across its frequency range.

Manufactured by Powertec, a leading Australian wireless technology provider, this component is part of their extensive range of RF...

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## 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:	3 dB		

## Port Matrix

Port Function	RF Interface
Input	N Female
Output	N Female
Output	N Female

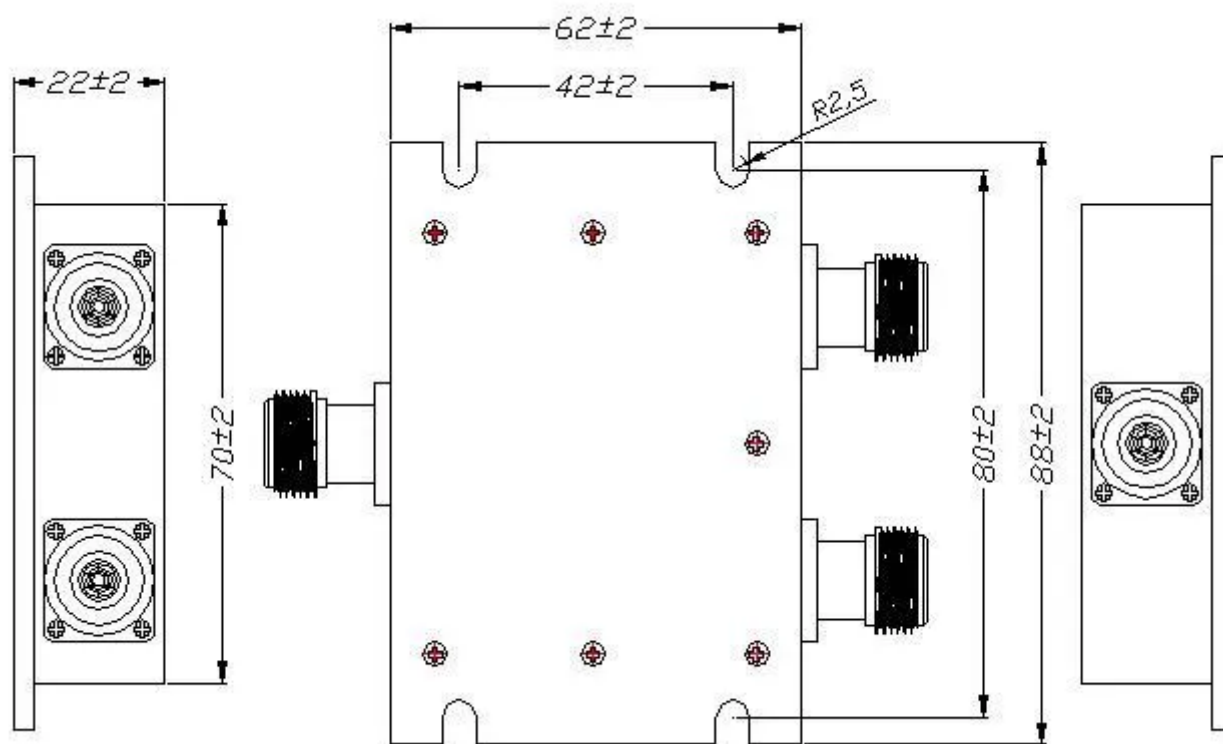
## Frequency Test Data

Start Frequency	Stop Frequency	VSWR	Insertion Loss	Inter-Port Iso.
698 MHz	3700 MHz	< 1.25:1	0.8 dB	> 20 dB

# Physical Specification

Input Ports:	1	Min. Operating Temperature:	-30 °C
Output Ports:	2	Max. Operating Temperature:	65 °C
Subtype:	Power Divider		
Ingress Protection:	IP60		
Dimensions:	62 x 42 x 20		
Weight:	0.2 kg		

## Drawing



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