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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 Ω 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...

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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 Ω
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

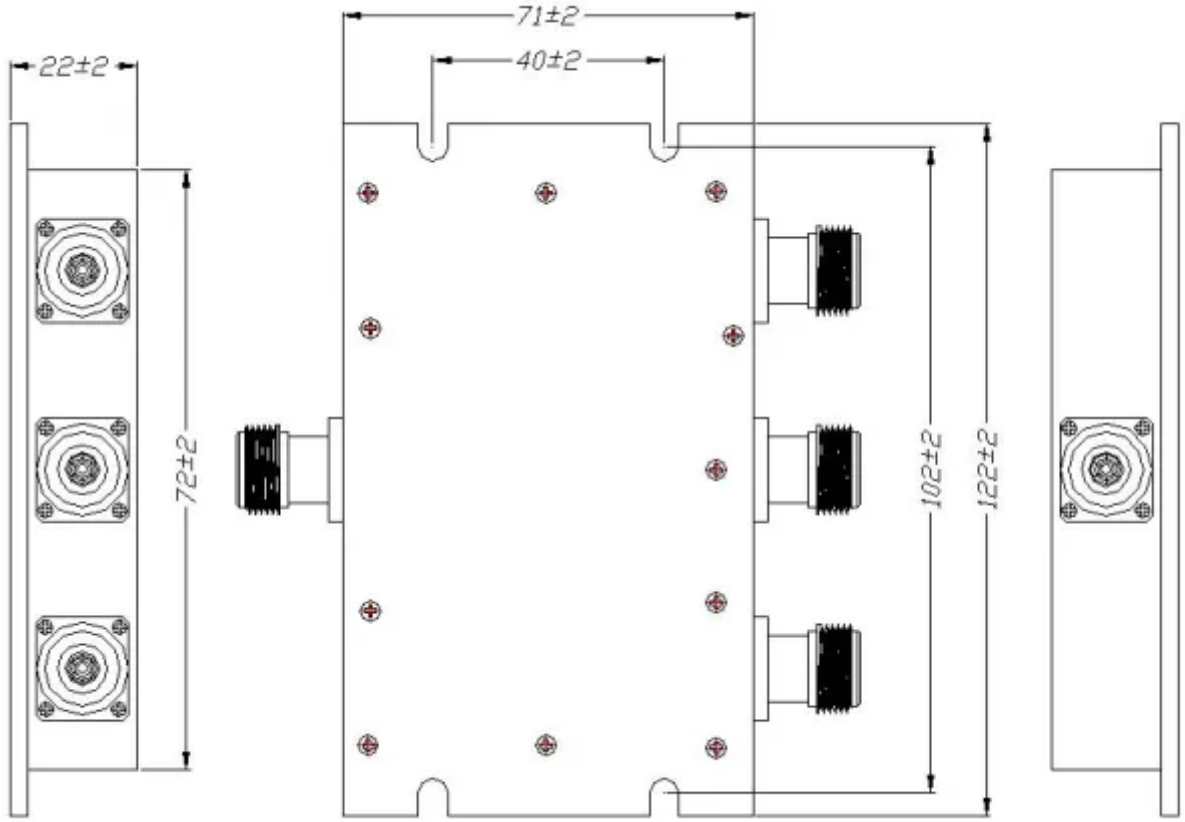
Frequency Test Data

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



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