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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 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
Max. Frequency
3700 MHz
Coupling / Split
4.8 dB
Input Impedance
50 Ω
Max. Input Power
50 W
Port Matrix

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

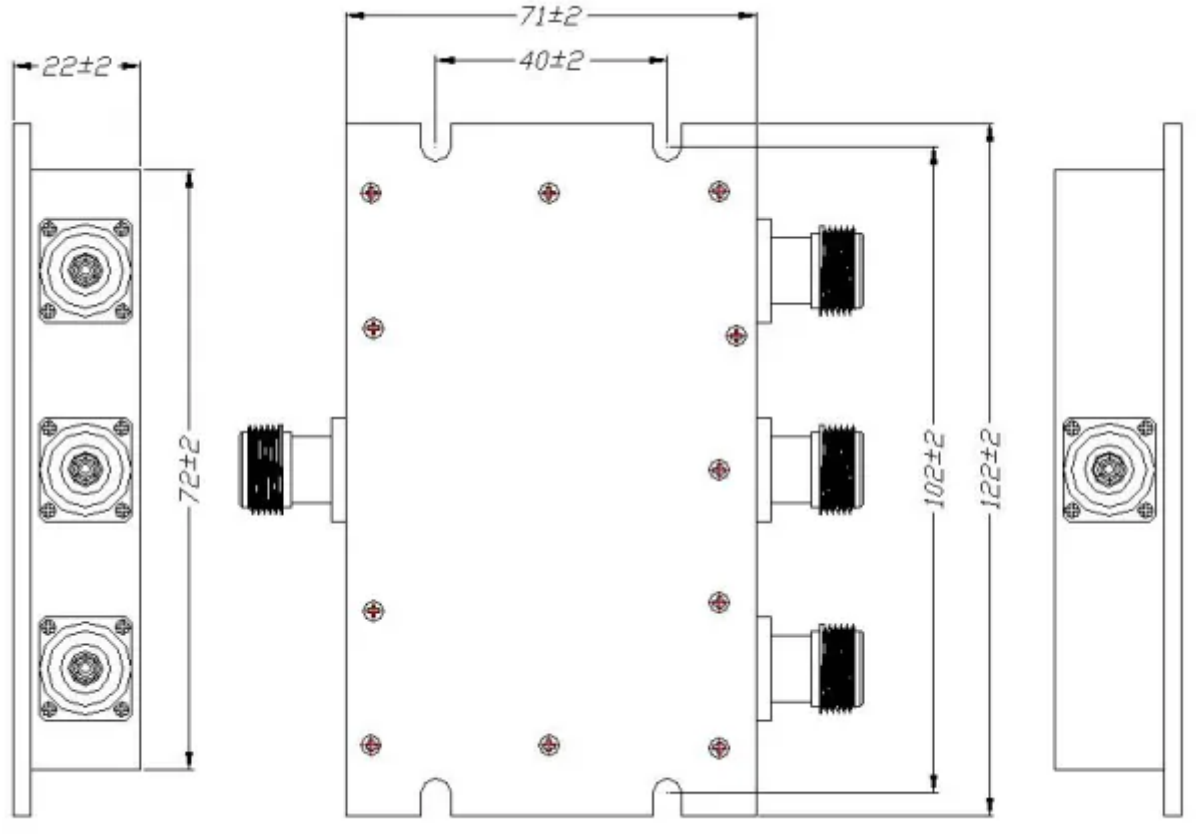
Frequency Test Data

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
Output Ports
3
Subtype
Power Divider
Ingress Protection
IP60
Dimensions
224.2 x 71.2 x 27.2
Weight
0.34 kg
Min. Operating Temperature
-30 °C
Max. Operating Temperature
65 °C
Drawing



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