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

SKU
IBC-PT-00104
MPN
PCM-PD3-6938.SA2
Barcode
9337692004377

Description

The Powertec RF Power Divider (SKU: IBC-PT-00104) is a high-performance 3-way splitter, designed to operate across a frequency range of 698 to 3800 MHz. This component features SMA female connectors for both input and output ports, ensuring reliable connections with an input impedance of 50 Ω. Its Wilkinson design provides greater than 18 dB inter-port isolation, contributing to minimal interference between outputs.

With a compact size of 120 x 21 x 40 mm and an IP60 ingress protection rating, this divider is durable and suited for various environments. It functions efficiently within a temperature range of -30 °C to 65 °C, making it versatile for different applications. The unit exhibits a low insertion loss of 1.20 dB and a VSWR of less than 1.3:1 across its operating frequencies, ensuring high signal integrity.

Manufactured by Powertec, a leading Australian wireless technology provider, this RF Power Divider supports cellular network...

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

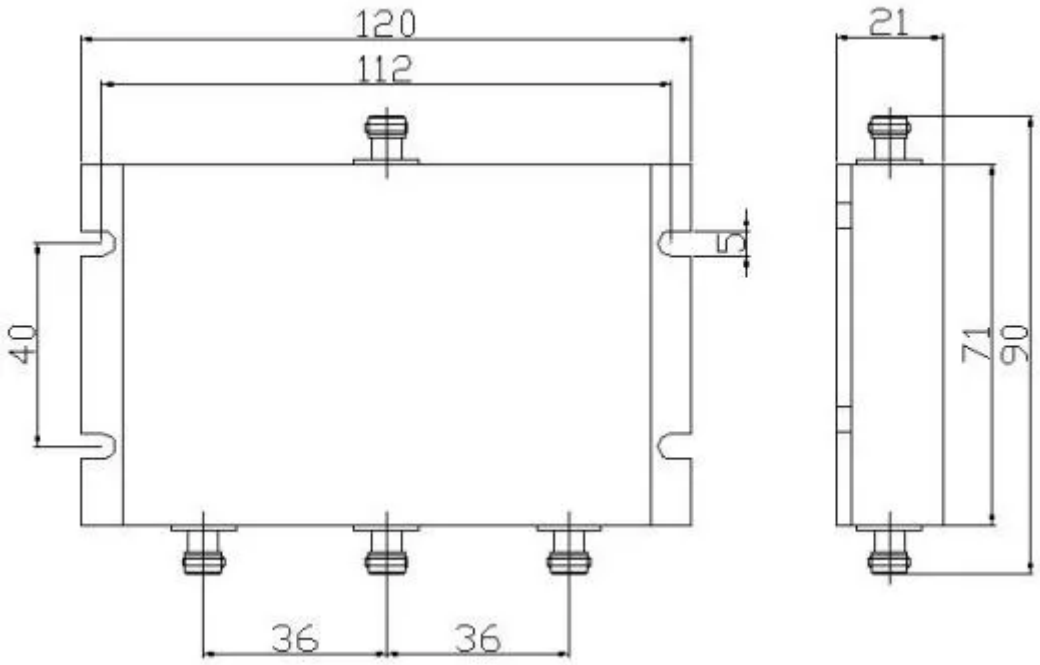
Port Function	RF Interface
Input	SMA Female
Output	SMA Female

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
Output Ports
3
Subtype
Power Divider
Ingress Protection
IP60
Dimensions
120 by 21 by 40
Weight
0.2 kg
Min. Operating Temperature
-30 °C
Max. Operating Temperature
65 °C
Drawing



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