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# Powertec RF Power Divider 4-Way, 698-3800MHz, SMA Female, Wilkinson, 22dB isolation

SKU
IBC-PT-00105
MPN
PCM-PD4-6938.SA2
Barcode
9337692004384

**Description**

The Powertec RF Power Divider 4-Way (SKU: IBC-PT-00105) is a high-performance RF passive component designed for efficient signal distribution across the 698-3800 MHz frequency range. Manufactured by Powertec, this divider features a Wilkinson design with 22 dB isolation, ensuring minimal signal interference. It offers a coupling value of 6 dB and is equipped with SMA Female connectors on both input and output ports, making it versatile for various RF applications.

This compact unit measures 120 x 40 x 21 mm and is rated IP60, providing robust protection against dust ingress. It operates reliably in temperatures from -30 °C to 65 °C, suiting diverse environmental conditions. The power divider maintains an input impedance of 50 Ω, with a VSWR of 1.3:1, ensuring efficient signal transmission. It also delivers an insertion loss of 1.20 dB and inter-port isolation of >18 dB, highlighting its superior performance in maintaining signal...

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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
6 dB
Input Impedance
50 Ω
Max. Input Power
50 W
Port Matrix

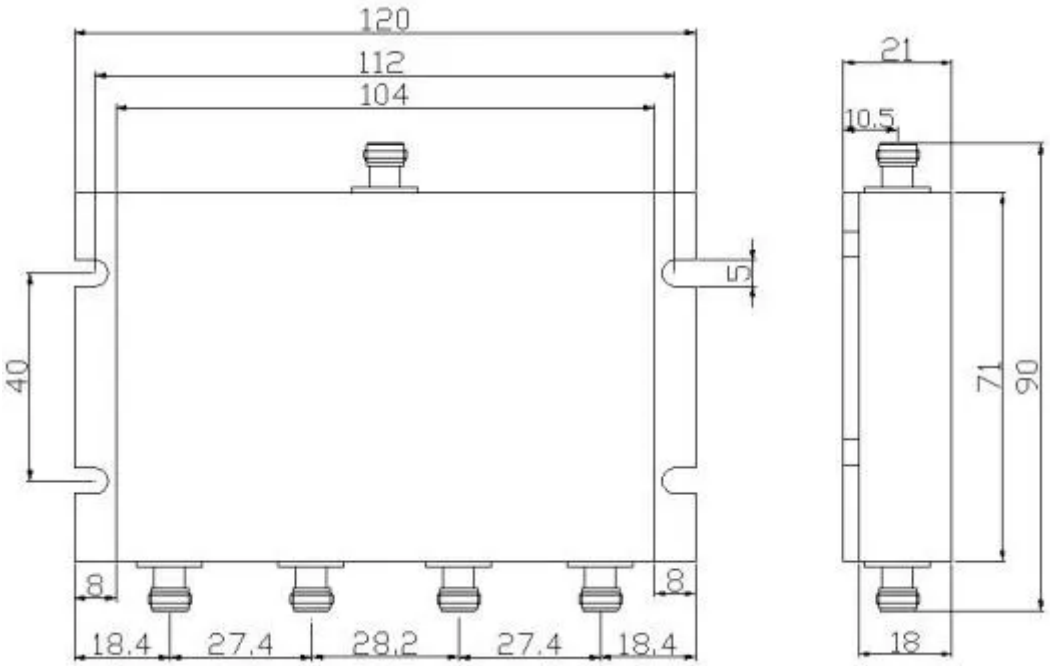
| Port Function | RF Interface |
|---|---|
| Input | SMA Female |
| Output | SMA Female |
| Output | SMA Female |
| Output | SMA Female |
| Output | SMA Female |

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
4
Subtype
Power Divider
Ingress Protection
IP60
Dimensions
120 by 40 by 21
Weight
0.22 kg
Min. Operating Temperature
-30 °C
Max. Operating Temperature
65 °C
Drawing




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