

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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RF Specification

| | | | |
|-------------------|----------|-------------------|------|
| Min. Frequency: | 698 MHz | Input Impedance: | 50 |
| Max. Frequency: | 3700 MHz | Max. Input Power: | 50 W |
| Coupling / Split: | 4.8 dB | | |

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 ...

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 Min. Operating Temperature: -30 °C

Output Ports: 3 Max. Operating Temperature: 65 °C

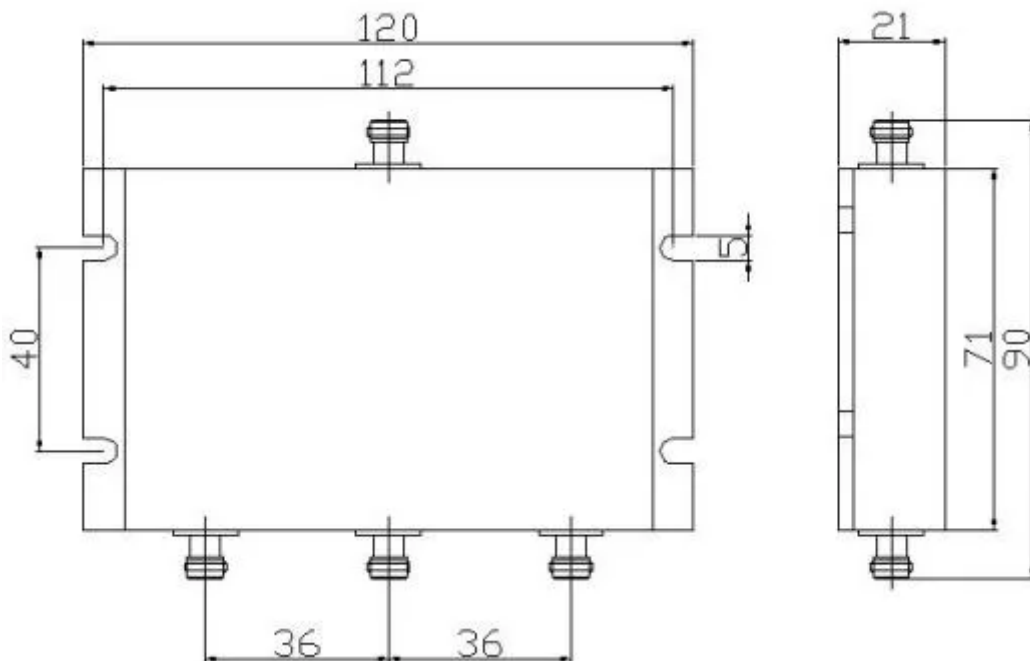
Subtype: Power Divider

Ingress Protection: IP60

Dimensions: 120 by 21 by 40

Weight: 0.2 kg

Drawing



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