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Powertec Wireless Technology
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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

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

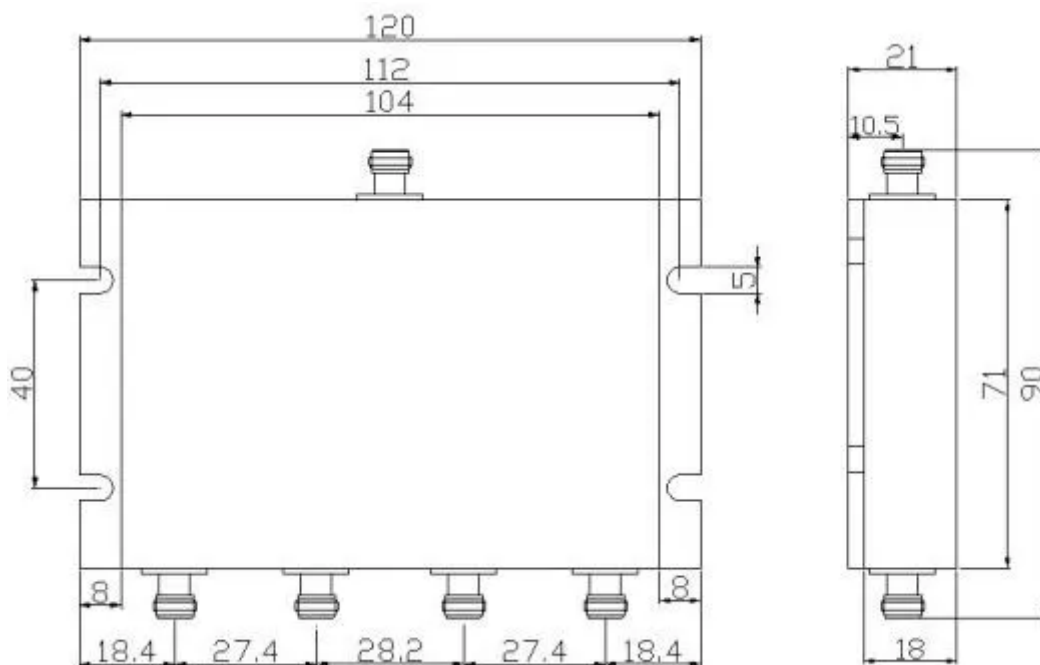
Min. Operating Temperature

-30 °C

Max. Operating Temperature

65 °C

Drawing



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