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Powertec RF Power Divider, 3-Way, 698 to 3800 MHz, 4.3-10 Female, Wilkinson

SKU
IBC-PT-00058
MPN
PCM-PD3-6938.432
Barcode
9337692001956

Description

The Powertec RF Power Divider, 3-Way, model PCM-PD3-6938.432, effectively distributes RF signals across a frequency range of 698 to 3800 MHz. It features a Wilkinson design and uses 4.3-10 Female connectors for both input and output, ensuring seamless integration into various systems. With a coupling value of 4.8 dB, it maintains optimal signal strength and quality.

Constructed to withstand challenging environments, this power divider is certified with an IP60 ingress protection rating and operates efficiently between temperatures of -30 °C to 65 °C. Its compact dimensions of 120 x 71 x 24 mm make it a versatile choice for space-constrained applications. The device offers a 50 Ω input impedance, ensuring compatibility with standard RF equipment.

Performance features include a low VSWR of <1.3:1, minimal insertion loss of 1.20 dB, and inter-port isolation of >18 dB, providing reliable and efficient signal distribution. Manufactured by...

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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 [4.3-10 Female](#)

Output [4.3-10 Female](#)

Output [4.3-10 Female](#)

Output [4.3-10 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 x 71 x 24

Weight

0.35 kg

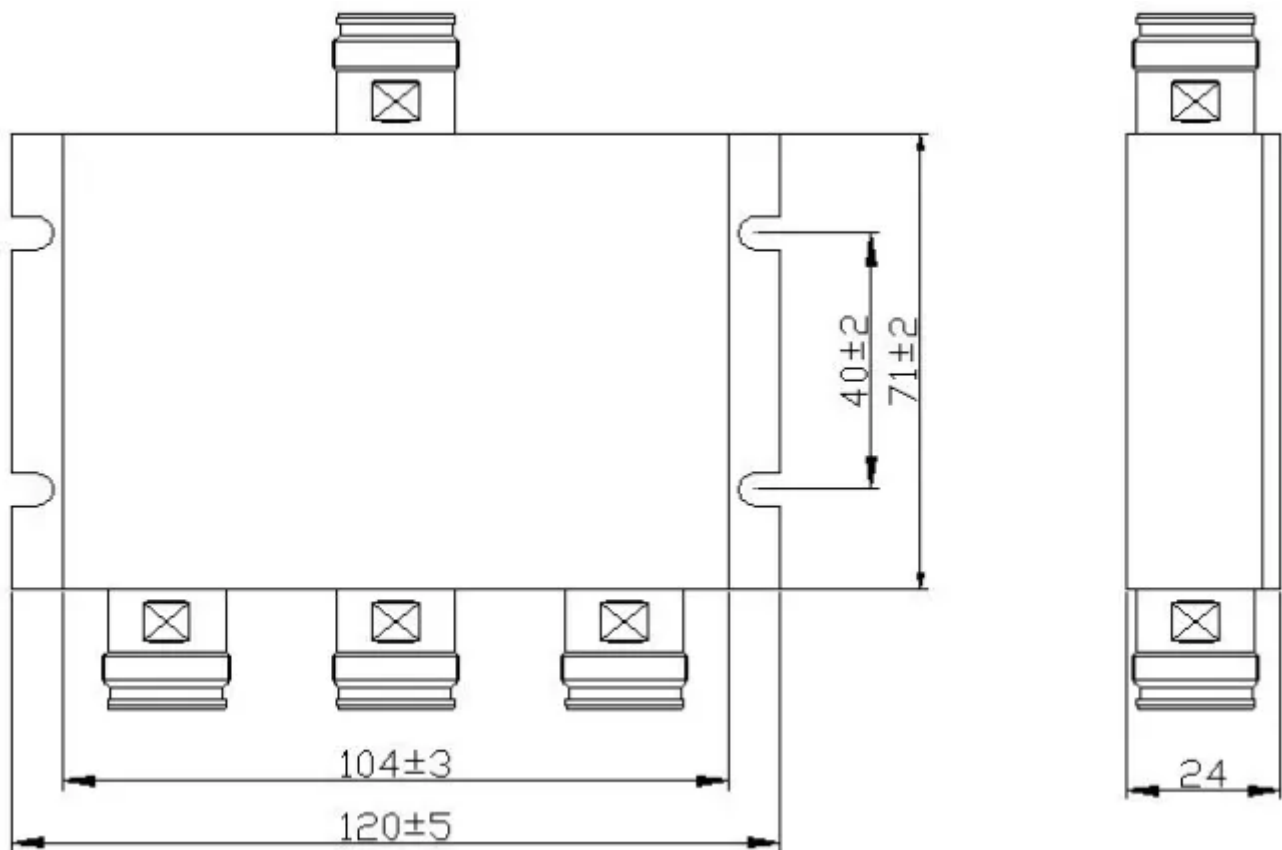
Min. Operating Temperature

-30 °C

Max. Operating Temperature

65 °C

Drawing



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