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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

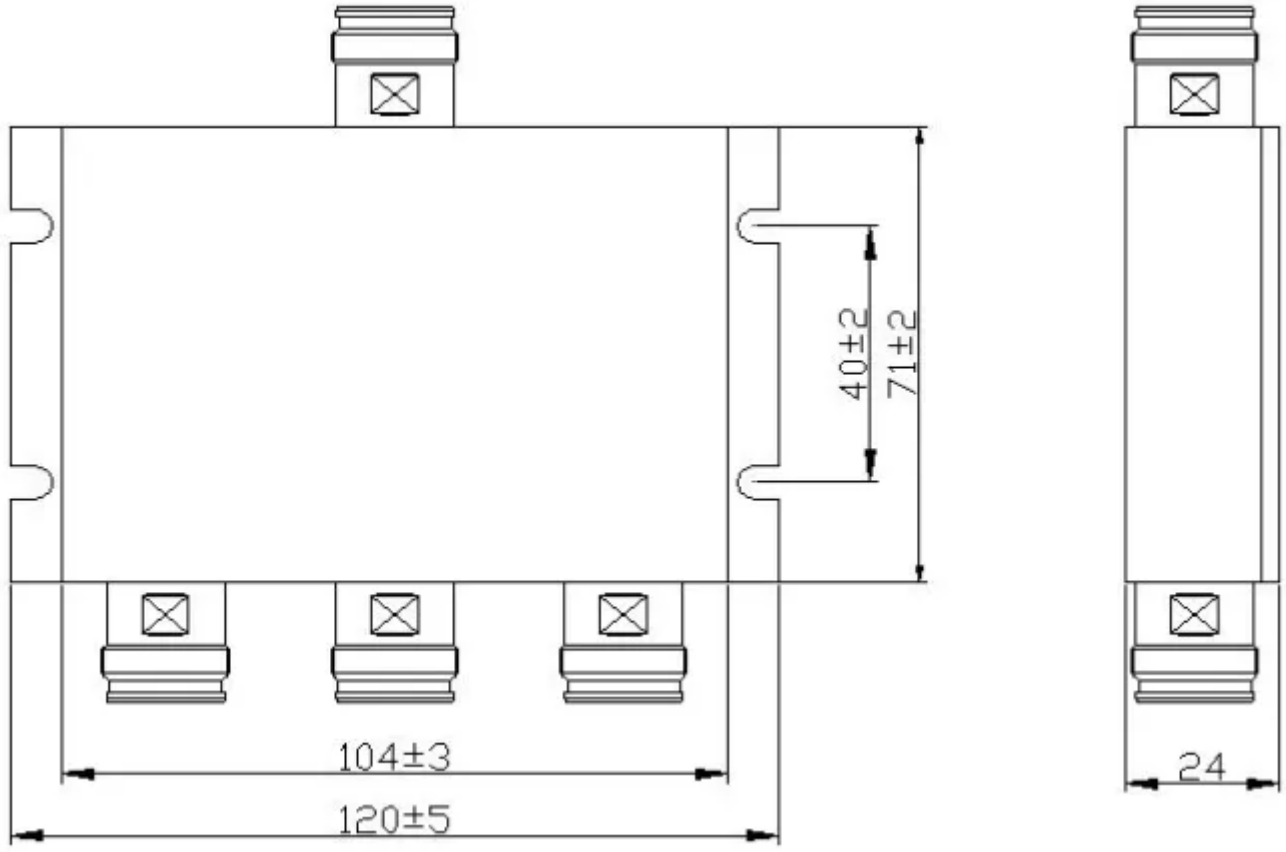
Frequency Test Data

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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