

# 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  $\Omega$  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

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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		

## 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

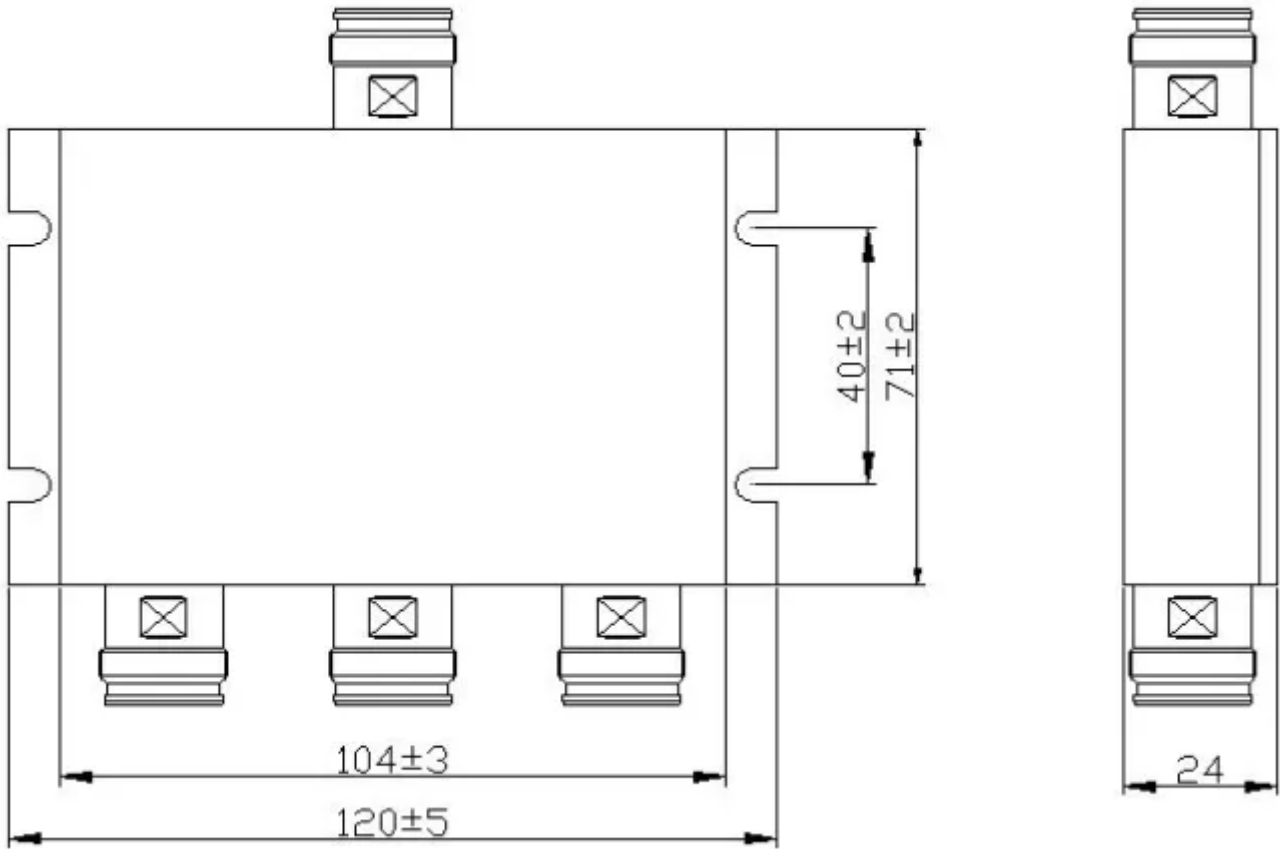
## Frequency Test Data

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	Min. Operating Temperature:	-30 °C
Output Ports:	3	Max. Operating Temperature:	65 °C
Subtype:	Power Divider		
Ingress Protection:	IP60		
Dimensions:	120 x 71 x 24		
Weight:	0.35 kg		

# Drawing



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