

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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RF Specification

Min. Frequency:	698 MHz	Input Impedance:	50
Max. Frequency:	3700 MHz	Max. Input Power:	50 W
Coupling / Split:	6 dB		

Port Matrix

Port Function	RF Interface
Input	SMA Female
Output	SMA Female

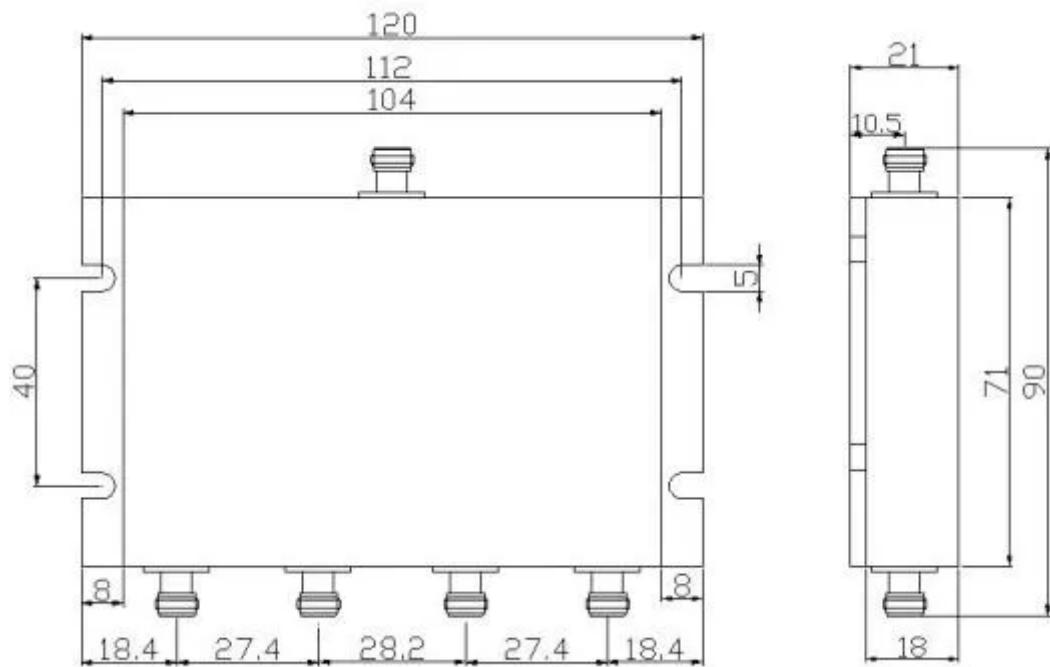
Frequency Test Data

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:	4	Max. Operating Temperature:	65 °C
Subtype:	Power Divider		
Ingress Protection:	IP60		
Dimensions:	120 by 40 by 21		
Weight:	0.22 kg		

Drawing



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