

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	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 system developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...	

Port Matrix

Port Function	RF Interface
Input	SMA Female
Output	SMA Female
Output	SMA Female
Output	SMA Female
Output	SMA Female

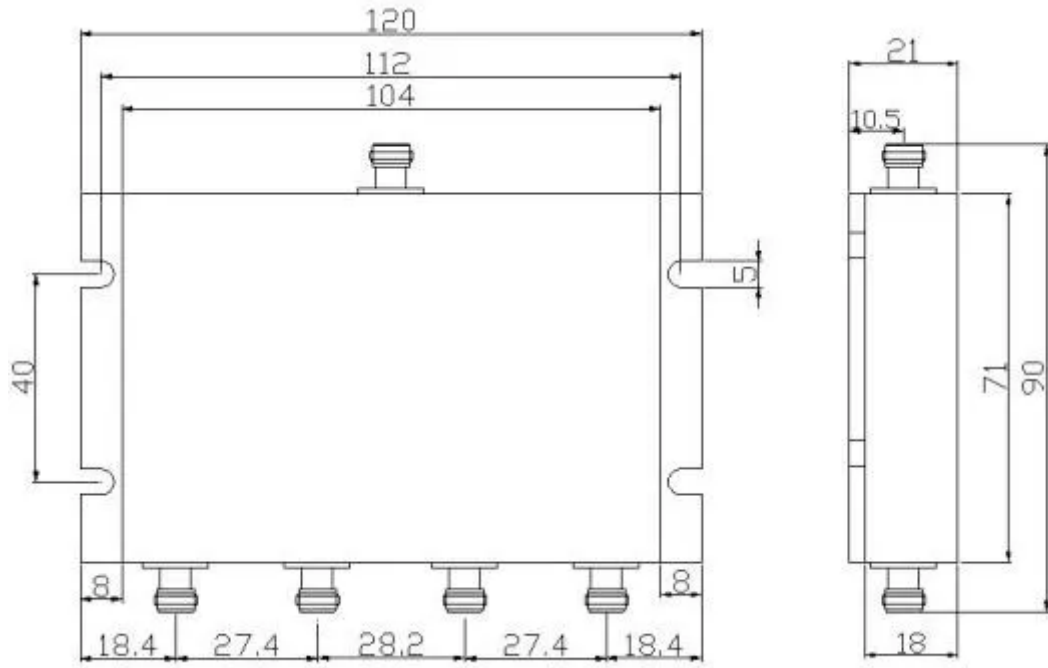
Frequency Test Data

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	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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