

Flatpack Four-Way Power Divider, 25 - 1000 MHz

Rev. V5

Features

Insertion Loss: 0.5 dB Typical Midband

Isolation: 38 dB Typical Midband

VSWR: 1.2:1 Typical Midband

Impedance: 50 Ohms Nominal

Maximum Power Rating or Input Power: 1 Watt Max.

Internal Load Dissipation: 0.05 Watts Max.

MIL-STD-883 Screening Available

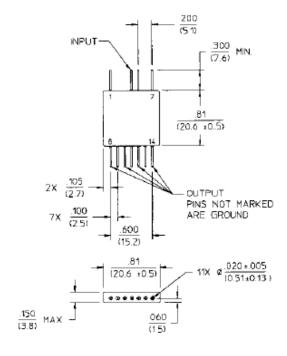
Description

A Power Divider is ideally a lossless reciprocal device which can also perform vector summation of two or more signals and thus is sometimes called a power combiner or summer.

Pin Configuration

Pin No.	Function	Pin No. Function		
1	GND	8	Output	
2	None	9	GND	
3	None	10	Output	
4	Input	11	GND	
5	GND	12	Output	
6	None	13	GND	
7	GND	14	Output	

FP-5



Dimensions in 0 are in mm Unless Otherwise Noted: XXX - ±0.010 (XX - ±0.25) .XX = ±0.02 (.X = ±0.5) WEIGHT (APPROX): 0.21 OUNCES 6 GRAMS

Electrical Specifications¹: $T_A = -55$ °C to +85°C

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
Insertion Loss	Less Coupling	25 - 200 MHz 25 - 1000 MHz	dB dB			0.75 1.0
Isolation	ı	25 - 1000 MHz	dB	20		_
Amplitude Balance	ı	25 - 1000 MHz	dB	ı	ı	0.25
Phase Balance	Т	25 - 500 MHz 500 - 1000 MHz	0			3 6
VSWR	Input Output	25 to 1000MHz	Ratio Ratio			1.3:1 1.4:1

^{1.} All specifications apply with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,428,920.

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[•] India Tel: +91.80.4155721 Visit www.macomtech.com for additional data sheets and product information.



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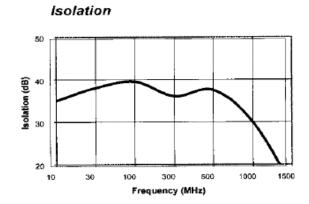
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Typical Performance Curves

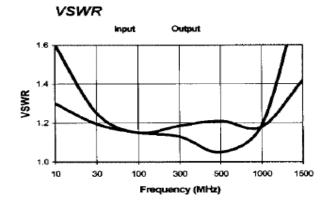
Insertion Loss

Insertion Loss 1.00 Insertion Loss (dB) 0.25 500 1000 1500 100 300 10 30 Frequency (MHz)

Isolation



VSWR



Ordering Information

Part Number	Package		
DS-324 PIN	FP-5		

typical. Mechanical outline has been fixed. Engineering samples Commitment to produce in volume is not guirgiteed.