

Flatpack Four-Way Power Divider, 25 - 1000 MHz

Rev. V5

Features

Insertion Loss: 0.5 dB Typical Midband

Isolation: 38 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

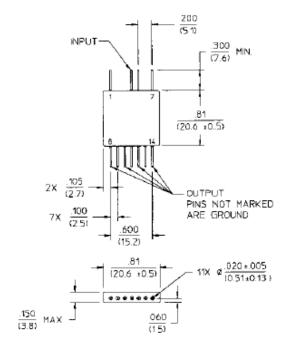
Description

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



Omensions in 0 are in irrit. Unless Otherwise Noted: XXX = ± 0.010 (XX = ± 0.25) .XX = ± 0.02 (X = ± 0.5) WEIGHT (APPROX): 0.21 QUNCES = 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.

Solutions has under development. Performance is based on engineering tests. Specifications are

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

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Visit www.macomtech.com for additional data sheets and product information.



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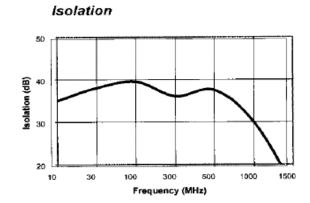
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Typical Performance Curves

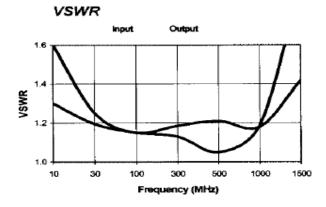
Insertion Loss

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		

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