

Flatpack Four-Way Power Divider, 25 - 1000 MHz

Rev. V5

Features

- Insertion Loss: 0.5 dB Typical Mid-band
- Isolation: 38 dB Typical Mid-band
- VSWR: 1.2:1 Typical Mid-band
- 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

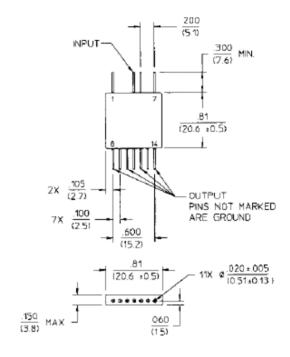
Description

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

Ordering Information

Part Number	Package	
DS-324 PIN	FP-5	

FP-5



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

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	



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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	_	25 - 1000 MHz	dB	20	_	_
Amplitude Balance	_	25 - 1000 MHz	dB	_	_	0.25
Phase Balance	_	25 - 500 MHz 500 - 1000 MHz	0	11		3 6
VSWR	Input Output	25 - 500 MHz 500 - 1000 MHz	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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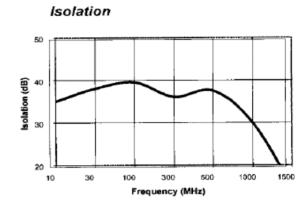
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Typical Performance Curves

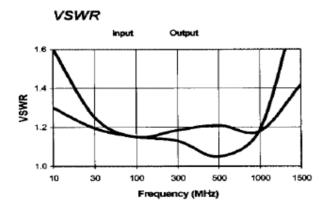
Insertion Loss

1.00 1.00 0.75 0.75 0.25 10 30 100 300 500 1000 1500 Frequency (MHz)

Isolation



VSWR



DS-324



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