Flatpack Two-Way Power Divider, 5 - 1000 MHz



Rev. V3

Features

- n Broadband, IN Phase Divider
- n Low Loss: 0.3 dB Typical
- n Amplitude Balance: 0.05 dB Typical
- n Impedance: 50 Ohms Nominal
- n Maximum Power Rating or Input Power: 1 Watt Max.
- n Internal Load Dissipation: 0.05 Watts Max.
- n MIL-STD-883 Screening Available

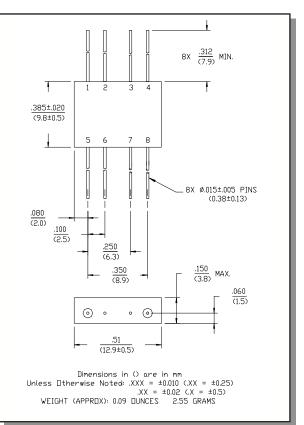
Description

A Power Divider is ideally a loss less 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	Σ	5	GND
2	GND	6	GND
3	GND	7	GND
4	Output C	8	Output D

FP-2



Electrical Specifications¹: $T_A = -55^{\circ}C$ to $+85^{\circ}C$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Мах
Insertion Loss	Less Coupling	5 - 500 MHz 500 - 1000 MHz	dB dB			0.5 1.0
Isolation	_	5 - 500 MHz 500 - 1000 MHz	dB dB	25 20		
Amplitude Balance	_	5 - 1000 MHz	dB	_	—	0.2
Phase Balance	_	5 - 500 MHz 500 - 1000 MHz	0			2 3
VSWR	Input Output	10 - 500 MHz 5 - 1000 MHz	Ratio Ratio			1.3:1 1.5:1

1. All specifications apply with 50 ohm source and load impedance.

- North America Tel: 800.366.2266
 Europe Tel: +353.21.244.6400
 India Tel: +91.80.43537383
 China Tel: +86.21.2407.1588
- Visit www.macomtech.com for additional data sheets and product information.

¹

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PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

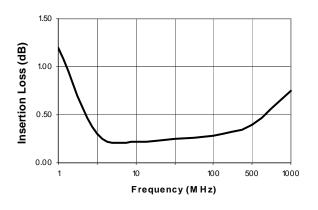
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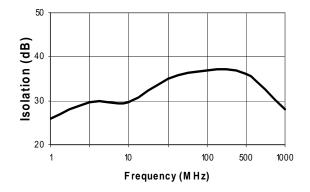
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Typical Performance Curves

Insertion Loss



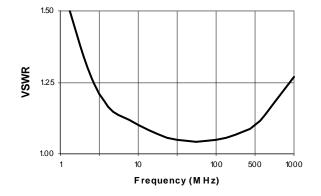
Isolation



Ordering Information

Part Number	Package		
DS-327 PIN	FP-2		

VSWR



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