

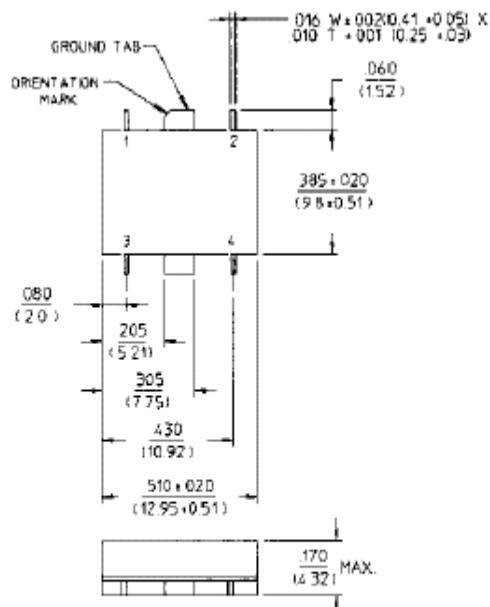
Surface Mount Two-Way Power Divider, 5 - 1000 MHz

Rev. V4

Features

- Fully Hermetic Package
- Low Loss: 0.3 dB Typical
- Amplitude Balance: 0.05 dB Typical
- Impedance: 50 Ohms Nominal
- Maximum Power Rating or Input Power: 1 Watt Max.
- Internal Load Dissipation: 0.05 Watts Max.
- MIL-STD-202 Screening Available

SF-1



Dimensions in mm are in mm
Unless Otherwise Noted: XXX = +0.010
XX = +0.02
WEIGHT (APPROX): 0.07 OUNCES 2 GRAMS

Pin Configuration

Pin No.	Function	Pin No.	Function
1	Σ	3	GND
2	Output C	4	Output D

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

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
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	20 16	— —	— —
Amplitude Balance	—	5 - 1000 MHz	dB	—	—	0.3
Phase Balance	—	5 - 500 MHz 500 - 1000 MHz	° °	— —	— —	2 3
VSWR	All Ports	10 - 500 MHz 5 - 1000 MHz	Ratio Ratio	— —	— —	1.4:1 1.6:1

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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ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

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.

• **North America** Tel: 800.366.2266 • **Europe** Tel: +353.21.244.6400
• **India** Tel: +91.80.4155721 • **China** Tel: +86.21.2407.1588

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

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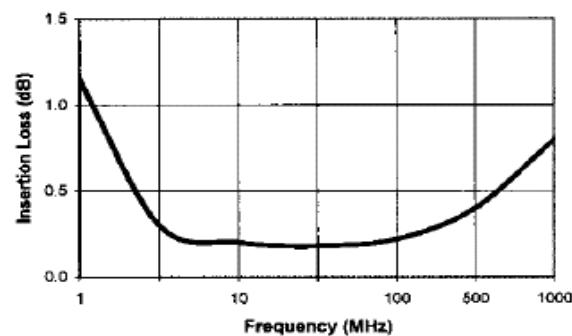
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Typical Performance Curves

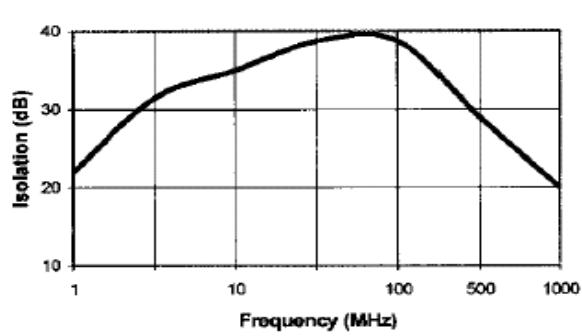
Insertion Loss

Insertion Loss



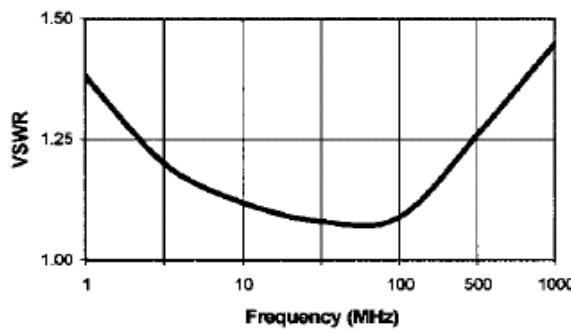
Isolation

Isolation



VSWR

VSWR



Ordering Information

Part Number	Package
DSS-327 PIN	SF-1

Mouser Electronics

Authorized Distributor

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