

# **Two-Way Power Divider** 750 - 1500 MHz

**DS-331** 

#### **Features**

- 2° dB Phase Balance Typical
- 20 dB Typical Midband Isolation
- 1.5:1 Typical Midband VSWR, Input

#### Guaranteed Specifications\* (From -55°C to +85°C)

Frequency Range	750 - 1500 MHz
Insertion Loss (Less coupling)	0.4 dB Max
Isolation	10 dB Min
Amplitude Balance	0.2 dB Max
Phase Balance	6° Max
VSWR (All Ports)	
Input Output	1.7:1 Max 1.3:1 Max

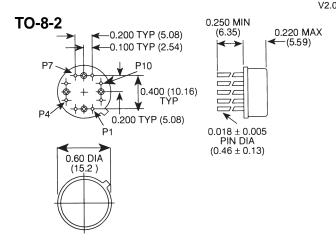
#### **Operating Characteristics**

Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	1 Watt Max
Internal Load Dissipation	0.1 Watt Max
Environmental MIL-STD-202 available.	
Pin Configuration	$\Sigma$ ;P5 Output C; P9, Output D; P1 Pins P2, P4, P6 & P8 are ground.

<sup>\*</sup>All specifications apply with 50 ohm source and load impedance.

### **Ordering Information**

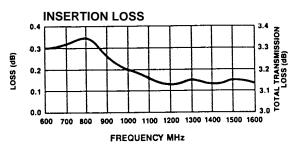
Part No.	Package
DS-331	TO-8-2

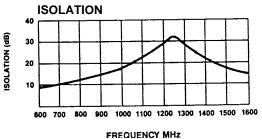


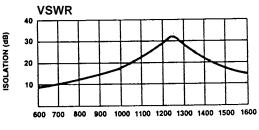
Bottom of Case is AC Ground

Dimensions in ( ) are in mm. Unless Otherwise Noted:  $.xxx = \pm 0.010$  ( $.xx = \pm 0.25$ )  $.xx = \pm 0.02 (.x = \pm 0.5)$ 

## Typical Performance







**FREQUENCY MHz** 

M/A-COM Division of AMP Incorporated North America: Tel. (800) 366-2266, Fax (800) 618-8883 Asia/Pacific: Tel. +85 2 2111 8088, Fax +85 2 2111 8087

www.macom.com