

# M/A-COM Two-Way Power Divider 10 - 500 MHz

## Features

- Space Qualified version of DS-109
- Designed to meet the Stringent Reliability Standards of Space Hardware
- 50 Ohms Nominal Impedance
- 35 dB Midband Isolation
- 1.1:1 Midband VSWR

## Description

M/A-COM's PD10-0040-S is a Two-Way Power Divider designed to operate between 10 and 500 MHz

## Absolute Maximum Ratings<sup>1</sup>

Parameter	Absolute Maximum
Max. Input Power	1 Watt Max.
Operating Temperature	-30°C to +85°C
Storage Temperature	-65°C to +125°C

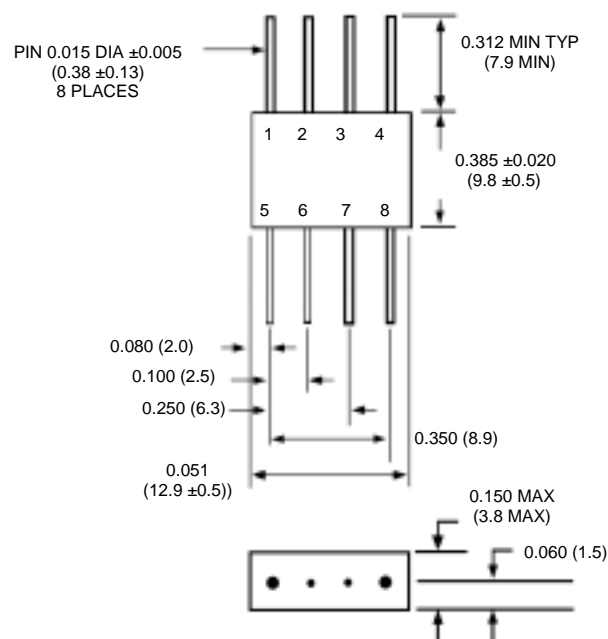
1. Operation of this device above any one of these parameters may cause permanent damage.

## Electrical Specifications, T<sub>A</sub> = +25°C

Parameter	Test Conditions	Frequency	Units	Min.	Max.
Insertion Loss	0 Volts	10-500 MHz	dB	-	0.6
Isolation		-	dB	25	-
Amplitude Balance		10-500 MHz	dB	-	0.15
Phase Balance		10-500 MHz	-	-	1°
VSWR		10-500 MHz	-	-	1.3

1. All specifications apply with a 50-Ohm source and load impedance.

## FP-2



Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)  
.xx = ±0.02 (.x = ±0.5)  
WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS

Specifications subject to change without notice.

■ North America: Tel. (800) 366-2266, Fax (800) 618-8883  
■ Asia/Pacific: Tel.+81-44-844-8296, Fax +81-44-844-8298  
■ Europe: Tel. +44 (1344) 869 595, Fax+44 (1344) 300 020

Visit [www.macom.com](http://www.macom.com) for additional data sheets and product information.

tyco / Electronics

M/A-COM

V 2.0

1