

# M/A-COM Two-Way In-Phase Power Divider 0.4 - 400 MHz

## Features

- Space Qualified version of DS-113
- Designed to meet the Stringent Reliability Standards of Space Hardware
- 50 Ohms Nominal Impedance
- Three Decade Bandwidth
- Low Loss: -0.25 Typ.

## Description

M/A-COM's PD10-0041-S is a Two-Way In-Phase Power Divider designed to operate between 400 KHz and 400 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

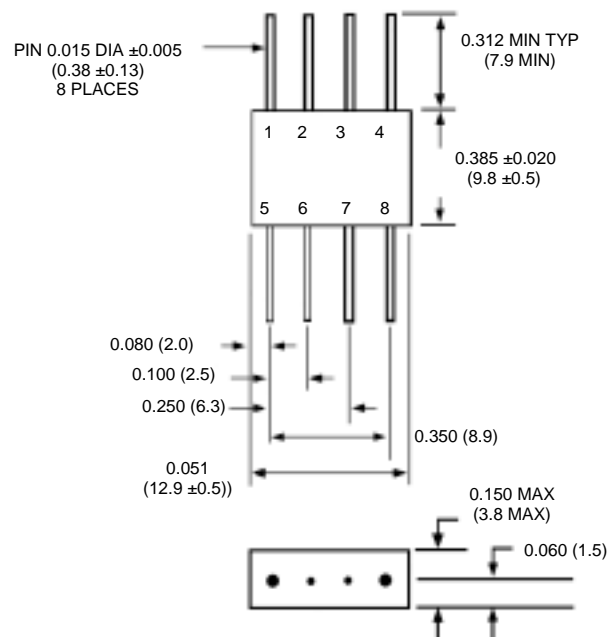
1. Operation of this device above any one of these parameters may cause permanent damage.

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

Parameter	Frequency	Units	Min.	Max.
Insertion Loss	0.4-400 MHz	dB	-	0.75
Isolation	0.4-400 MHz	dB	25	-
Amplitude Balance	0.4-400 MHz	dB	-	0.15
Phase Balance	0.4-400 MHz	-	-	1°
VSWR	0.4-400 MHz	-	-	1.5

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.

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

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