Two-Way Power Divider
10 - 500 MHz

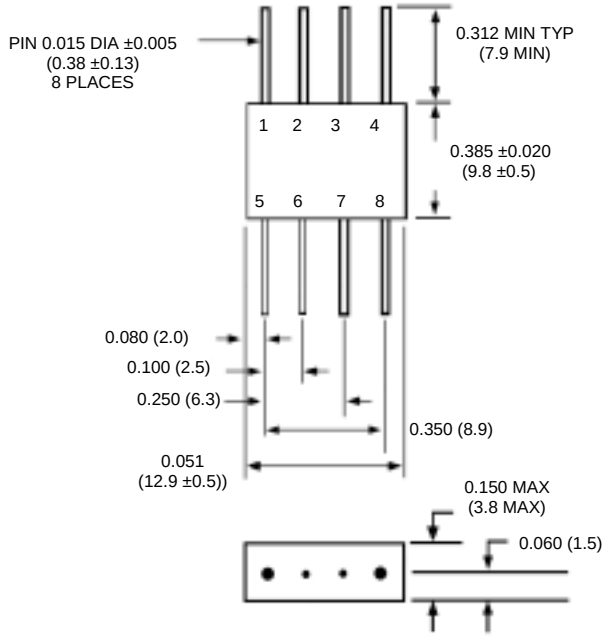
Features

- 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

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

Absolute Maximum Ratings[1]

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_A = +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.

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