



Three-Way In-Phase Power Divider 25 - 1000 MHz

Features

- Space Qualified version of DS-323
- Designed to meet the Stringent Reliability Standards of Space Hardware
- 50 Ohms Nominal Impedance
- 35 dB Midband Isolation
- 1.2:1 Input VSWR

Description

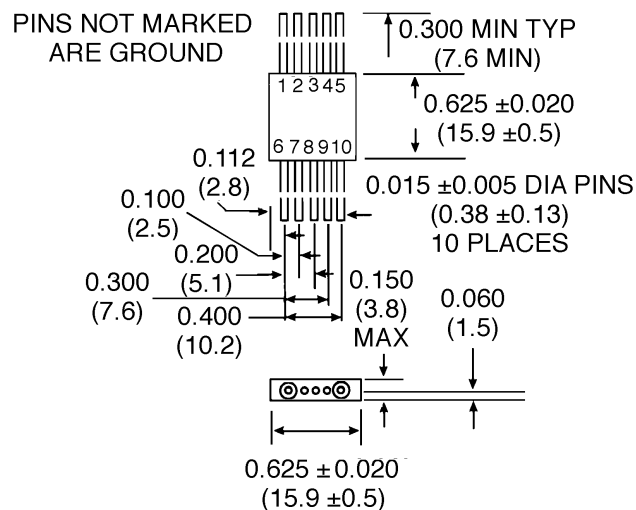
M/A-COM's PD20-0010-S is a Three-Way Power Divider designed to operate over a frequency of 25 - 1000 MHz.

Absolute Maximum Ratings¹

Parameter	Absolute Maximum
Max. Input Power	1 Watt
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.

FP-3



Dimensions in () are in mm.

Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25)

.xx = ± 0.02 (.x = ± 0.5)

WEIGHT (APPROX.): 0.12 OUNCES 3.4 GRAMS

Electrical Specifications, $T_A = +25^\circ\text{C}$

Parameter	Test Conditions	Frequency	Units	Min.	Max.
Insertion Loss	-	25-200 MHz	dB	-	0.5
		200-1000 MHz	dB	-	1.0
Isolation	-	25-49 MHz	dB	15	-
	-	50-199 MHz	dB	22	-
	-	200-1000 MHz	dB	24	-
Amplitude Balance	-	25-200 MHz	dB	-	0.25
	-	201-1000 MHz	dB	-	0.4
Phase Balance	-	25-200 MHz	-	-	2°
	-	201-1000 MHz	-	-	4°
VSWR	Input	25-1000 MHz	-	-	1.5
		25-49 MHz	-	-	2.2
		50-199 MHz	-	-	1.7:1
		200-1000 MHz	-	-	1.5:1

Specifications subject to change without notice.

V 2.0

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

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