

# Flatpack Three-Way Power Divider 25 - 1000 MHz

DS-323

V2.00

## Features

- 0.4 dB Typical Midband Insertion Loss
- 35 dB Typical Midband Isolation
- 1.2:1 Typical Input VSWR

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

Frequency Range	25-1000 MHz		
<b>Insertion Loss (Less coupling)</b>	25-200 MHz	0.5 dB Max	
	200-1000 MHz	1.0 dB Max	
<b>Isolation</b>	25-50 MHz	15 dB Min	
	50-200 MHz	22 dB Min	
	200-1000 MHz	24 dB Min	
<b>Amplitude Balance</b>	25-200 MHz	0.25 dB Max	
	200-1000 MHz	0.4 dB Max	
<b>Phase Balance</b>	25-200 MHz	2° Max	
	200-1000 MHz	4° Max	
<b>VSWR</b>			
	Input	25-1000 MHz	1.4:1 Max
	Output	25-50 MHz	1.9:1 Max
		50-200 MHz	1.7:1 Max
	200-1000 MHz	1.5:1 Max	

## Operating Characteristics

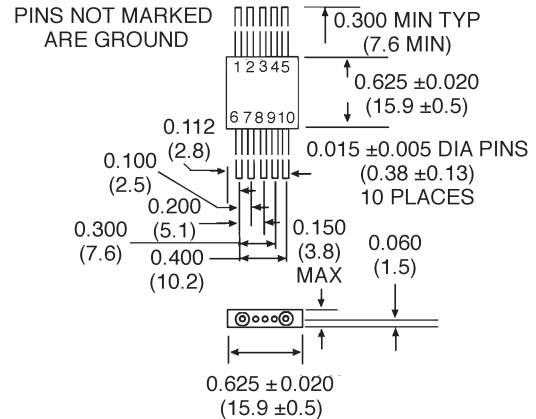
<b>Impedance</b>	50 Ohms Nominal
<b>Maximum Power Rating or Input Power</b>	1.0 Watt Max
<b>Internal Load Dissipation</b>	0.05 Watt Max
<b>Environmental</b>	
MIL-STD-202 screening available.	
<b>Pin Configuration</b>	IN; P3, Outputs P6, P8 & P10 Case and all other pins are ground.

\* All specifications apply with 50 ohm source and load impedance.  
This product contains elements protected by United States Patent  
Number 3,428,920.

## Ordering Information

Model No.	Package
DS-323 PIN	Flatpack

## 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

## Typical Performance

