

## Flatpack Three-Way Power Divider 25 - 1000 MHz

**DS-323** 

#### **Features**

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

# **Guaranteed Specifications\***

(From  $-55^{\circ}$ C to  $+85^{\circ}$ C)

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

## **Operating Characteristics**

Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	1.0 Watt Max
Internal Load Dissipation	0.05 Watt Max

#### Environmental

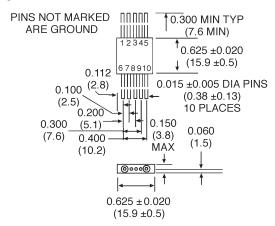
MIL-STD-202 screening available.

IN; P3, Outputs P6, P8 & P10 **Pin Configuration** Case and all other pins are ground.

### **Ordering Information**

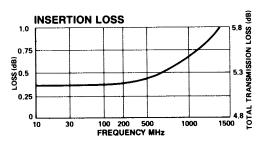
Model No.	Package
DS-323 PIN	Flatpack

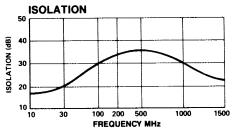
#### FP-3

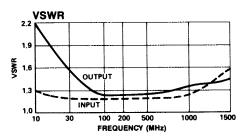


Dimensions in ( ) are in mm. Unless Otherwise Noted:  $.xxx = \pm 0.010 (.xx = \pm 0.25)$  $.xx = \pm 0.02 (.x = \pm 0.5)$ WEIGHT (APPROX.): 0.12 OUNCES 3.4 GRAMS

## **Typical Performance**







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