

# Flatpack Four-Way Power Divider

## 0.2 - 300 MHz

DS-310

V2.00

### Features

- 0.5 dB Typical Insertion Loss
- 1.1:1 Typical Midband VSWR

### Guaranteed Specifications \*

(From -55°C to +85°C)

Frequency Range	0.3-300 MHz	
Insertion Loss (Less coupling)	0.3-0.5 MHz	1.0 dB Max
	0.5-100 MHz	0.5 dB Max
	100-300 MHz	1.0 dB Max
Isolation	0.3-0.5 MHz	20 dB Min
	0.5-100 MHz	25 dB Min
	100-300 MHz	15 dB Min
Amplitude Balance	0.3-0.5 MHz	0.2 dB Max
	0.5-100 MHz	0.2 dB Max
	100-300 MHz	0.4 dB Max
Phase Balance	0.3-0.5 MHz	1.5° Max
	0.5-100 MHz	4.0° Max
	100-300 MHz	6.0° Max
VSWR (All Ports)	0.3-0.5 MHz	2.0:1 Max
	0.5-100 MHz	1.3:1 Max
	100-300 MHz	1.4:1 Max

### Operating Characteristics

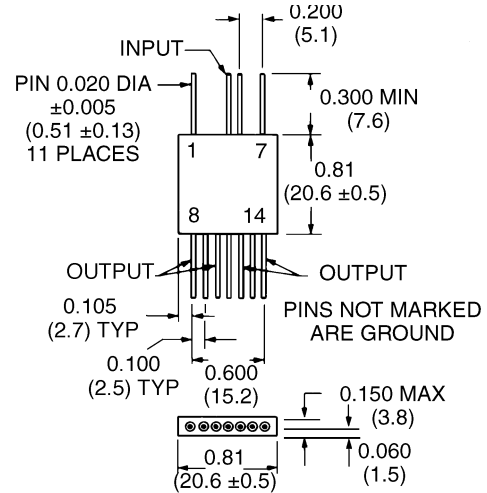
Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	1.0 Watt Max
Internal Load Dissipation	50 mW Max
Environmental	MIL-STD-883 screening available.
Pin Configuration	IN; P4 Outputs; P8, P10, P12 & P14 All other pins and case are ground.

\*All specifications apply with 50 ohm source and load impedance.

### Ordering Information

Model No.	Package
DS-310 PIN	Flatpack

### FP-5



Dimensions in ( ) are in mm.  
 Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)  
 .xx = ±0.02 (.x = ±0.5)  
 WEIGHT (APPROX.): 0.21 OUNCES 6 GRAMS

### Typical Performance

