

# 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<br>(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

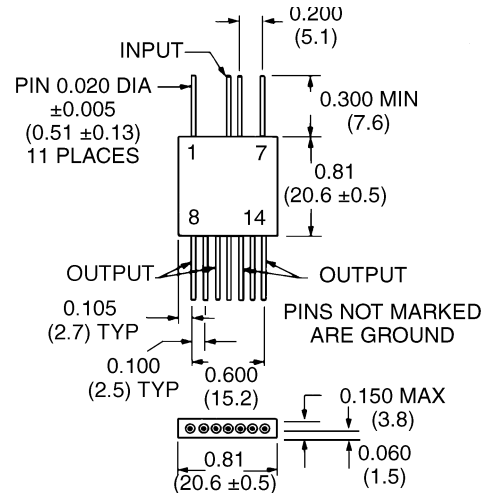
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|--|--|
| Impedance                              | 50 Ohms Nominal  |
| Maximum Power Rating<br>or Input Power | 1.0 Watt Max   |
| Internal Load Dissipation              | 50 mW Max  |
| Environmental                          | MIL-STD-883 screening available.   |
| Pin Configuration                      | IN; P4<br>Outputs; P8, P10, P12 & P14<br>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

