# 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

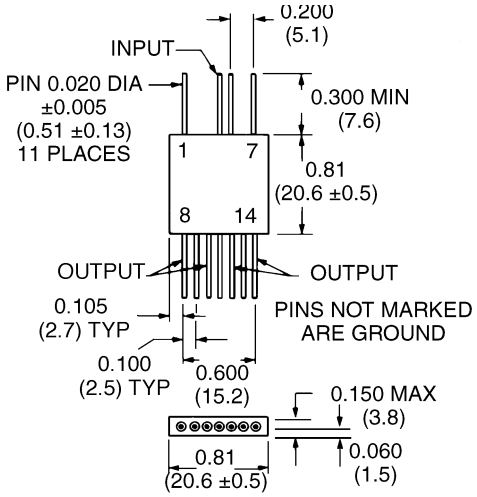
| | |
|---|---|
| **Impedance** | 50 Ohms Nominal |
| **Maximum Power Rating or Input Power** | 1.0 Watt Max |
| **Internal Load Dissipation** | 50 mW Max |
| **Environmental** | |
| MIL-STD-883 screening available. | |
| **Pin Configuration** | IN; P4<br>Outputs; P8, P10, P12 & P14<br>All other pins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

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

### Ordering Information

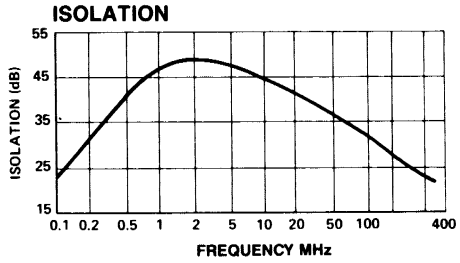
| Model No. | Package |
|---|---|
| DS-310 PIN | Flatpack |

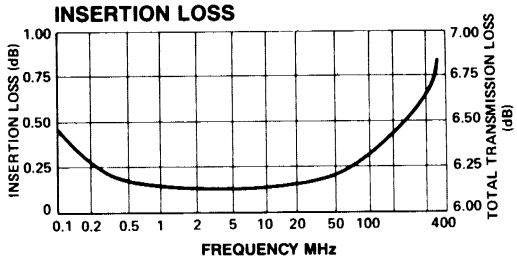
**FP-5**

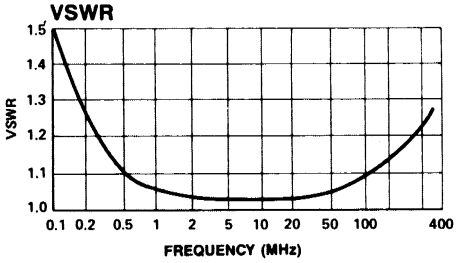



Dimensions in ( ) are in mm.
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)
.xx = ±0.02 (.x = ±0.5)
WEIGHT (APPROX.): 0.21 OUNCES 6 GRAMS

### Typical Performance






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*Specifications subject to change without notice.*