

# High-Frequency Quadrature Hybrid 500 - 1000 MHz

## JH-140

V2.00

### Features

- Octave Bandwidth
- Low VSWR – 1.2:1 Typical
- Miniature Size – 1/2" x 3/8" Flatpack

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

<b>Frequency Range</b>	500-1000 MHz
<b>Insertion Loss (Less coupling)</b>	0.3 dB Max Avg**
<b>Isolation</b>	18 dBm Min
<b>Amplitude Balance</b>	1.0 dB Max
<b>VSWR</b>	1:3:1 Max
<b>Deviation from Quadrature</b>	3° Max

### Operating Characteristics

<b>Impedance</b>	50 Ohms Nominal
<b>Input Power</b>	25 Watts Max @ 25°C; Derated to 1 Watt @ 85°C

### Environmental

MIL-STD-202 screening available.

### Pin Configuration

A; P1, B; P4, C; P8, D; P5

### Phasing Diagram

OUT IN	A	B	C	D
A	X	ISO.	-90°	0°
B	ISO.	X	0°	-90°
C	-90°	0°	X	ISO.
D	0°	-90°	ISO.	X

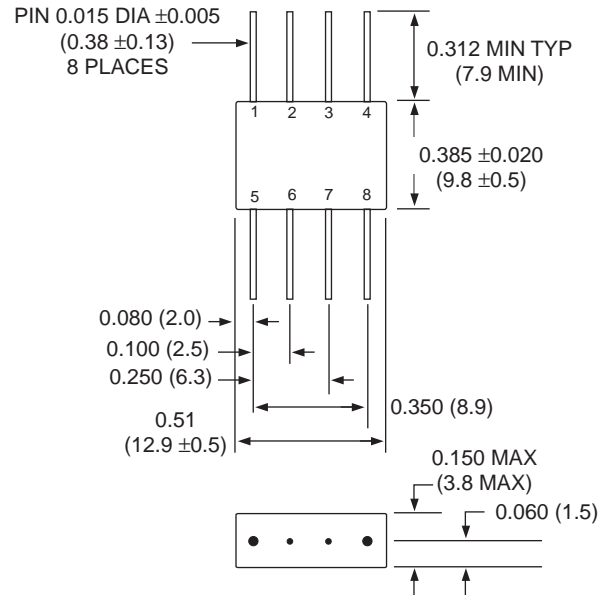
All other Pins are ground.

### Ordering Information

**Model No.**  
JH-140 PIN

**Package**  
Flatpack

### FP-2



Dimensions in ( ) are in mm.

Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)  
.xx = ±0.02 (.x = ±0.05)

WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS

Typical Performance

