

# High-Frequency Quadrature Hybrid

## 1 - 2 GHz

# JH-141

V2.00

### Features

- Octave Bandwidth
- Low VSWR – 1.25:1 Typical
- Miniature Size – 1/2" x 3/8" Flatpack

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

<b>Frequency Range</b>	1-2 GHz
<b>Insertion Loss (Less coupling)</b>	0.3 dB Max**
<b>Isolation</b>	18 dB Min
<b>Amplitude Balance</b>	1.0 dB Max
<b>VSWR</b>	1.5:1 Max
<b>Deviation from Quadrature</b>	5° Max

### Operating Characteristics

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

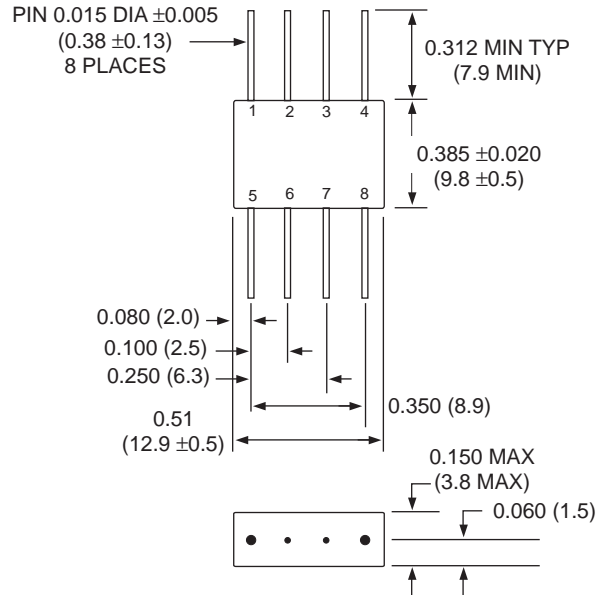
**Environmental**  
MIL-STD-202 screening available.

**Pin Configuration**  
A; 1, B; 4, C; 8, D; 5

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

\*\*Average of coupled outputs less 3 dB.

### FP-2



Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)  
.xx = ±0.02 (.x = ±0.5)  
WEIGHT 0.09 OUNCES 2.5 GRAMS

### 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

### Ordering Information

**Model No.**  
JH-141 PIN

**Package**  
Flatpack

Typical Performance

