

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)

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

Operating Characteristics

| | |
|--------------------|--|
| Impedance | 50 Ohms Nominal |
| Input Power | 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 |

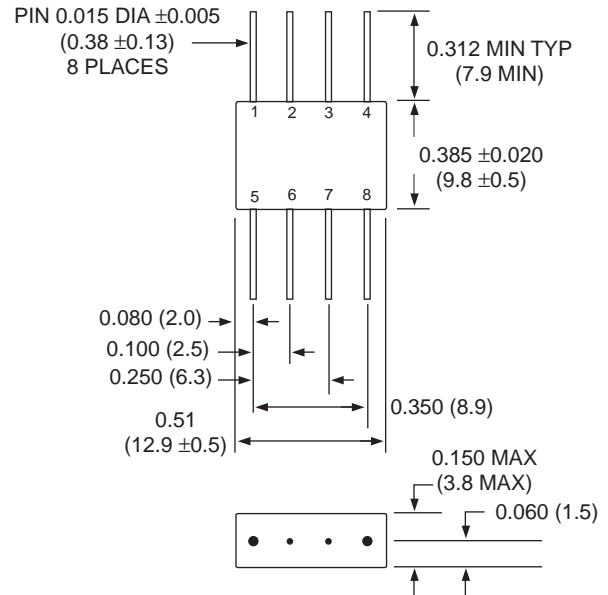
All other Pins are ground.

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

