

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

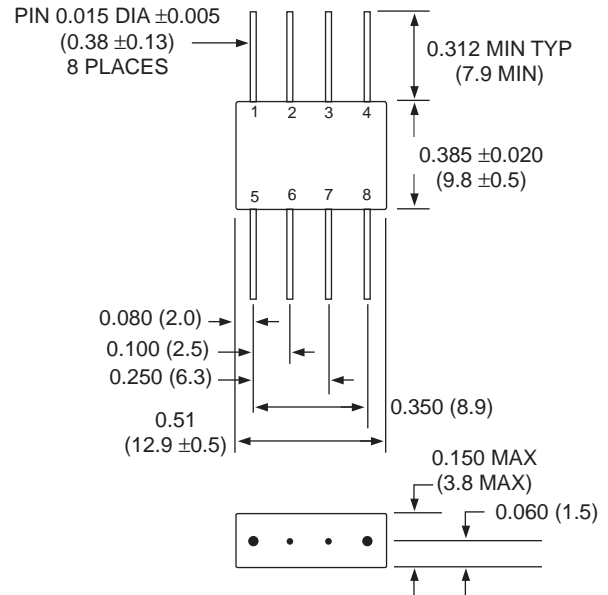
All other Pins are ground.

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

