



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)

Frequency Range	1-2 GHz
Insertion Loss (Less coupling)	0.3 dB Max**
Isolation	18 dB Min
Amplitude Balance	1.0 dB Max
VSWR	1.5:1 Max
Deviation from Quadrature	5° 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; 1, B; 4, C; 8, D; 5

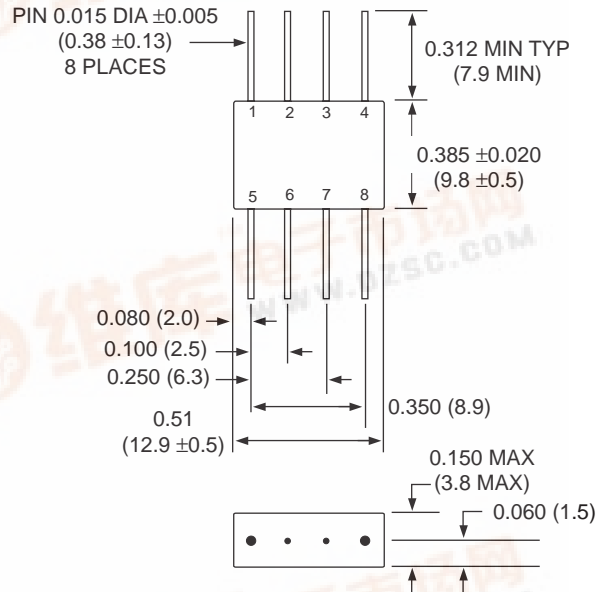
*All specifications apply with 50 ohm source and load impedance.

**Average of coupled outputs less 3 dB.

Phasing Diagram

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

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

Ordering Information

Model No.
JH-141 PIN

Package
Flatpack



Typical Performance

