

# Quadrature Hybrid

## 7 - 14 MHz

JH-/JHS-113

V2.00

### Features

- Octave Bandwidth
- Low VSWR: 1.2:1
- Low Loss: 0.5 dB Max.
- Impedance: 50 Ohms Nom.
- Input power: 4 W. Max. @ 25°C
- MIL-STD-202 Screening Available

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

Frequency Range	7 - 14 MHz
Insertion Loss (less Coupling)	0.5 dB Max.**
Isolation	20 dB Min.
Amplitude Balance	0.75 dB Max.
VSWR	1.2:1 Max.
Deviation from Quadrature	3° Max.

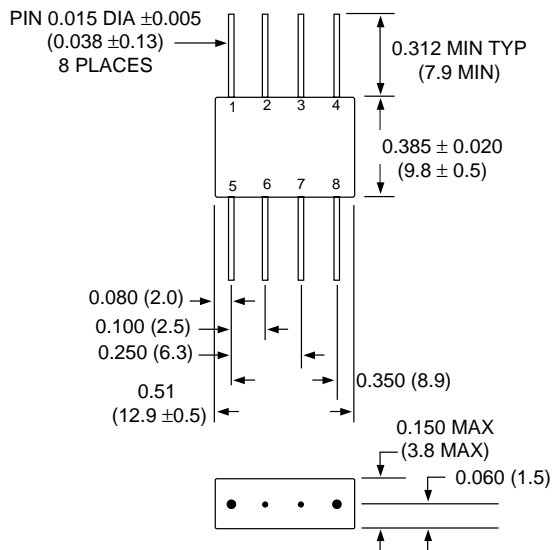
\*All specifications apply with 50 ohm source and load impedance.

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

### Pin Configuration

FP-2	A; P1, B; P4, C; P8, D; P5 Case and all other pins are ground.
SF-1	A; P1, B; P2, C; P4, D; P3 Case and all other pins are ground.

### FP-2



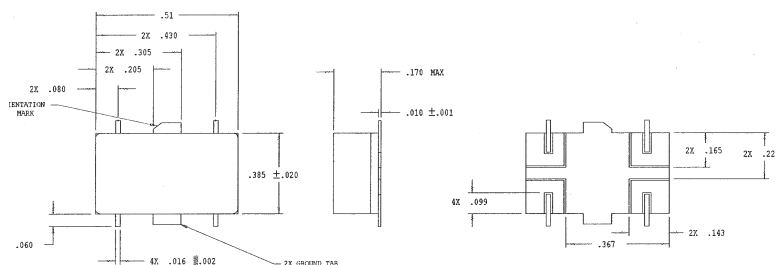
Dimensions in ( ) are in mm.

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

.xx = ±0.02 (.x = ±0.5)

WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS

### SF-1



Dimensions in ( ) are in mm.

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

.xx = ±0.02 (.x = ±0.5)

WEIGHT (APPROX.): 0.07 OUNCES 2 GRAMS

### Phasing Diagram

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

All other pins and case are ground

### Ordering Information

Part Number	Package
JH-113 PIN	FP-2 Flatpack
JHS-113 PIN	SF-1 Surface Mount

Typical Performance

