

Surface Mount Quadrature Hybrid

200 - 400 MHz

JHS-142

V2.00

Features

- Fully Hermetic
- Octave Bandwidth
- Low VSWR: 1.1:1 Typ.
- Impedance: 50 Ohms Nom.
- Input Power: 5 W. Max. @ 25°C.
Derated to 1 W. @ 85°C
- Typical Phase Linearity: 3° from straight line
- MIL-STD-202 Screening Available

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

Frequency Range	200 - 400 MHz
Insertion Loss (Less coupling)	0.5 dB Max.**
Isolation	18 dB Min.
Amplitude Balance	1.0 dB Max.
VSWR	1.3:1 Max.
Deviation from Quadrature	4° Max.

Pin Configuration

A; P1, B; P2, C; P4, D; P3

Case and all other pins are ground.

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

**Average of coupled outputs less 3 dB.

This product contains elements protected by United States Patent Number 3,484,724.

Phasing Diagram

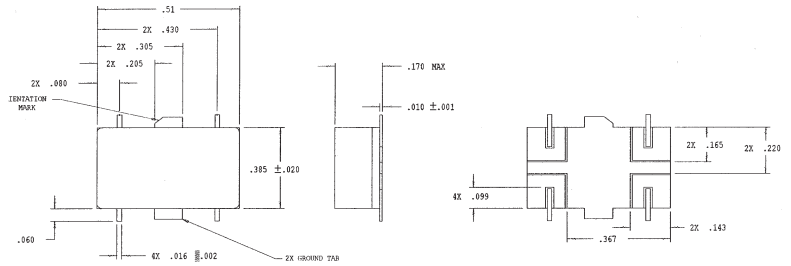
IN \ OUT	A	B	C	D
A	X	ISO.	- 90°	0°
B	ISO.	X	0°	- 90°
C	- 90°	0°	X	ISO.
D	0°	- 90°	ISO.	X

Ordering Information

Part No.
JHS-142 PIN

Package
Surface Mount

SF-1



Dimensions () are in mm.

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

.xx = ±0.02 (.x = ±0.05)

WEIGHT (APPROX.) 0.07 OUNCES 2 GRAMS

Typical Performance

