

Surface Mount Quadrature Hybrid

40 - 80 MHz

JH-115/JHS-115

V2.00

Features

- Fully Hermetic Package
- 3° Maximum Phase Deviation from 90°
- Low Loss: 0.5 dB Max.
- Impedance: 50 Ohms Nom.
- Input Power: W. Max. Derated to 1 W. @ 100°C
- Typical Phase Linearity: 3° from Straight Line
- MIL-STD-202 Screening Available

Guaranteed Specifications*

(-55°C to +85°C)

Frequency Range	40 - 80 MHz
Insertion Loss (Less Coupling)	0.5 dB Max.**
Isolation	20 dB Min.
Amplitude Balance	0.8 dB Max.
VSWR	1.2:1 Max.
Deviation from Quadrature	3° Max.

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

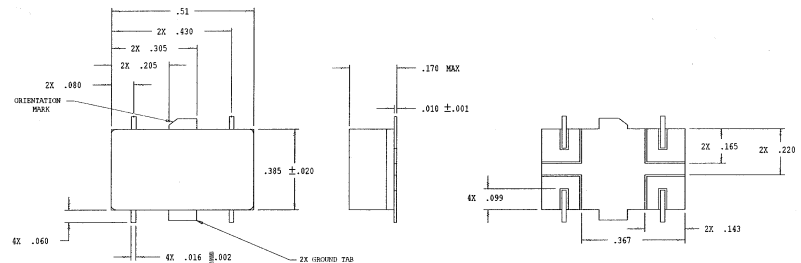
**Average of coupled outputs less 3 dB.

Pin Configuration	JHS-115	A; P1, B; P2, C; P4, D; P3
	JH-115	A; P1, B; P4, C; P8, D; P5

Phasing Diagram

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

SF-1



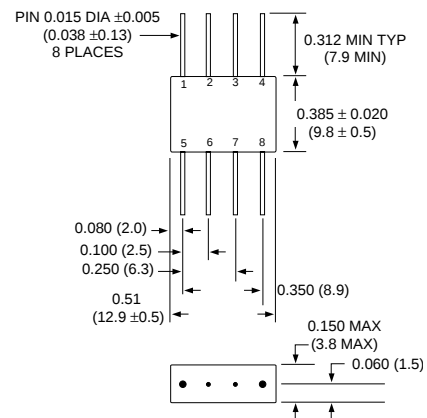
Dimensions in () are in mm.

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

.xx = ±0.02 (.x = ±0.5)

WEIGHT (APPROX.): 0.07 OUNCES 2 GRAMS

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

Ordering Information

Part Number	Package
JH-115 PIN	Flatpack
JHS-115 PIN	Surface Mount

Typical Performance

