

Quadrature Hybrid 7 - 14 MHz

JH-/JHS-113

V2.00

Features

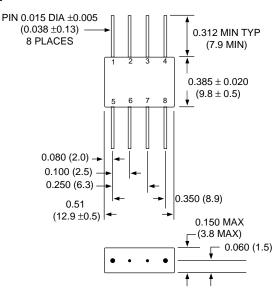
- Octave Bandwidth
- Low VSWR: 1.2:1
- Low Loss: 0.5 dB Max.
- Impedance: 50 Ohms Nom.
- Input power: 4 W. Max. @ 25°C
- MIL-STD-202 Screening Available

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.
	and the end former damage.

*All specifications apply with 50 ohm source and load impedance. **Average of coupled outputs less 3 dB.

0	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.

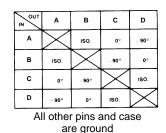
FP-2



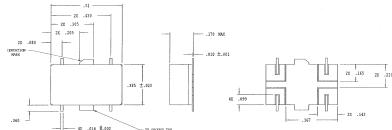
 $\begin{array}{l} \mbox{Dimensions in () are in mm.} \\ \mbox{Unless Otherwise Noted: .xxx = $\pm 0.010 (.xx = ± 0.25)} \\ \mbox{.xx = $\pm 0.02 (.x = ± 0.5)} \\ \mbox{WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS} \end{array}$

SF-1

Phasing Diagram







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

Ordering Information

www.macom.com

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

M/A-COM Division of AMP Incorporated ■ North America: Tel. (800) 366-2266, Fax (800) 618-8883 ■ Asia/Pacific: Tel. +85 2 2111 8088, Fax +85 2 2111 8087 ■ Europe: Tel. +44 (1344) 869 595, Fax +44 (1344) 300 020

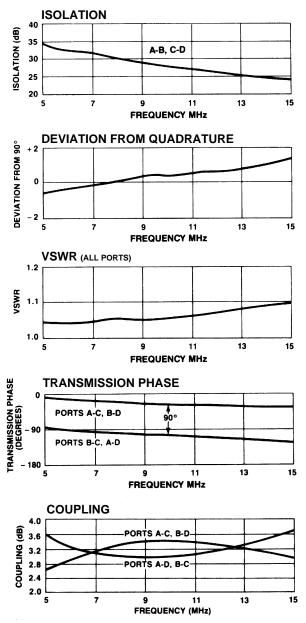
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Typical Performance



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