HH-128-PIN

Flatpack Hybrid Junction, 20 - 2000 MHz

Features

- 1.5 dB Typical Midband Insertion Loss
- 30 dB Typical Midband Isolation
- 1.3:1 Typical Midband VSWR
- MIL-STD-202 Screening Available

Description

3 dB Hybrids are ideal for dividing a signal into two signals of equal amplitude and a constant 90° or 180° phase differential and for Quadrature combining or performing summation/differential combining.

Pin Configuration

Pin No.	Function	Pin No.	Function	
1	С	6	А	
2	GND	7	GND	
3	GND	8	GND	
4	GND	9	GND	
5	D	10	В	

Electrical Specifications¹: $T_A = -55^{\circ}C$ to $+85^{\circ}C$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
Insertion Loss	Less Coupling	20 - 2000 MHz 20 - 1000 MHz	dB dB		_	3.0 2.5
Isolation	_	20 - 2000 MHz 20 - 1000 MHz	dB dB	15 20		
Amplitude Balance	—	20 - 2000 MHz 20 - 1000 MHz	dB dB		_	1.2 0.5
VSWR	_	20 - 2000 MHz	Ratio		_	2.0:1
Phase Balance	_	20 - 2000 MHz 20 - 1000 MHz 20 - 500 MHz	0 0 0	—		20 15 10
Impedance	_	_	Ohms	_	50	_
Input Power	_	_	Watts	_	_	0.5

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

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This product contains elements protected by United States Patent umber 3,508,171

India Tel: +91.80.4155721
 China Tel: +86.21.2407.1588
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PRELIMINARY: Data Sheets contain information regarding a product MUA-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

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FP-3



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North America Tel: 800.366.2266
 Europe Tel: +353.21.244.6400
 India Tel: +91.80.4155721
 China Tel: +86.21.2407.1588

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Flatpack Hybrid Junction, 20 - 2000 MHz



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Functional Diagram



Typical Performance Curves

Ordering Information

Part Number	Package		
HH-128 PIN	FP-3		

Insertion Loss



Isolation



VSWR



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