# **HH-128-PIN**



### Flatpack Hybrid Junction, 20 - 2000 MHz

Rev. V3

#### **Features**

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

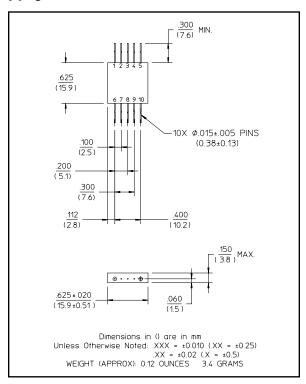
#### **Description**

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

### **Pin Configuration**

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

#### FP-3



## Electrical Specifications<sup>1</sup>: $T_A = -55$ °C to +85°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		_ _ _	20 15 10
Impedance	_	_	Ohms	_	50	_
Input Power	_	_	Watts		_	0.5

<sup>1.</sup> All specifications apply with 50 ohm source and load impedance. This product contains elements protected by United States Patent umber 3,508,171

Commitment to produce in volume is not guaranteed.

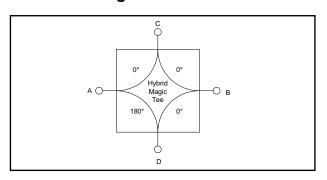
<sup>•</sup> India Tel: +91.80.4155721



Flatpack Hybrid Junction, 20 - 2000 MHz

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### **Functional Diagram**

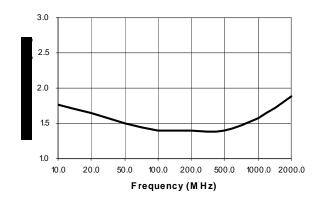


### **Ordering Information**

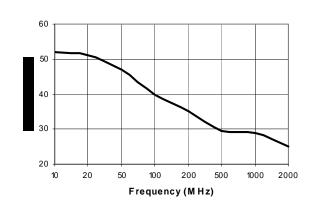
Part Number	Package		
HH-128 PIN	FP-3		

### **Typical Performance Curves**

#### Insertion Loss

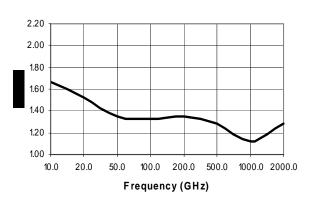


#### Isolation



#### **VSWR**

Commitment to produce in volume is not guaranteed.



<sup>•</sup> China Tel: +86.21.2407.1588 • India Tel: +91.80.4155721 Visit www.macomtech.com for additional data sheets and product information.