

# **180° Hybrid Junctions** 2 - 200 MHz

## HH-106/107

V2.00

## **Features**

- 0°-180° Hybrid with Symmetrical Time Delay Between Ports
- Available in Flatpack and Connectorized Packages •

#### **Guaranteed Specifications\***

#### (From $-55^{\circ}C$ to $+85^{\circ}C$ )

Frequency Range			2-200 MHz
Insertion Loss (Less coupling)			1.0 dB Max
Isolation	A-B	2-200 MHz	25 dB Min
		5-50 MHz	30 dB Min
	C-D	2-200 MHz	30 dB Min
		5-50 MHz	35 dB Min
Amplitude Balance	2		0.3 dB Max
VSWR		2-200 MHz	1.5:1 Max
		5-50 MHz	1.3:1 Max
Phase Balance			3° Max

#### **Operating Characteristics**

Impedance	50 Ohms Nominal
Input Power	1 Watt Max
Environmental	
MIL-STD-202 screening available.	

**Pin Configuration** 

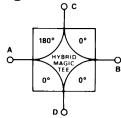
HH-106

www.macom.com

A: P1. C: P4. B: P5. D: P8. All other pins and case ground.

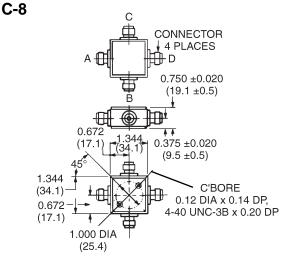
\*All specifications apply with 50 ohm source and load impedance.

#### **Functional Diagram**



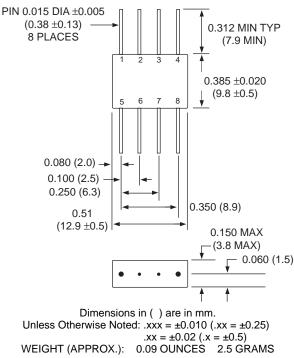
#### **Ordering Information**

Model No HH-106 HH-107 HH-107 HH-107	PIN BNC SMA	FP-2 C-8 C-8 C-8	Package Flatpack Connectorized Connectorized
HH-107 HH-107	N	C-8	Connectorized



Dimensions in () are in mm. Unless Otherwise Noted:  $.xxx = \pm 0.015$  (.x =  $\pm 0.4$ ) WEIGHT (APPROX.): 2.5 OUNCES 71 GRAMS

FP-2



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 

AMP and Connecting at a Higher Level are trademarks.

Specifications subject to change without notice.

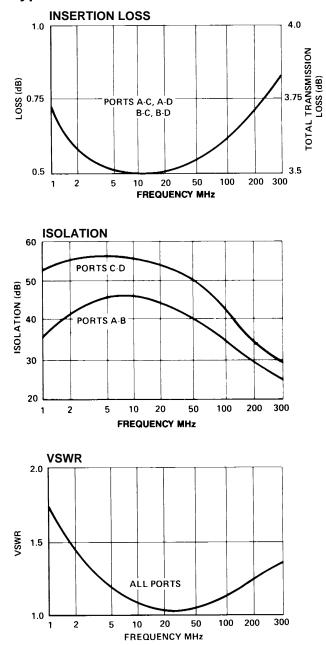
Connecting <del>I</del>ER 

AN

V2.00

### **Typical Performance**

www.macom.com



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

AMP and Connecting at a Higher Level are trademarks. *Specifications subject to change without notice.*