

# 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°C to +85°C)

<b>Frequency Range</b>		2-200 MHz	
<b>Insertion Loss (Less coupling)</b>		1.0 dB Max	
<b>Isolation</b>	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
<b>Amplitude Balance</b>		0.3 dB Max	
<b>VSWR</b>	2-200 MHz		1.5:1 Max
	5-50 MHz		1.3:1 Max
<b>Phase Balance</b>		3° Max	

### Operating Characteristics

<b>Impedance</b>	50 Ohms Nominal
<b>Input Power</b>	1 Watt Max

#### Environmental

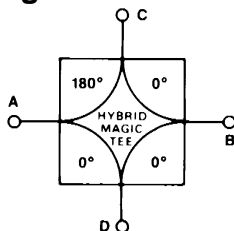
MIL-STD-202 screening available.

#### Pin Configuration

HH-106 A; P1, C; P4, B; P5, D; P8.  
All other pins and case ground.

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

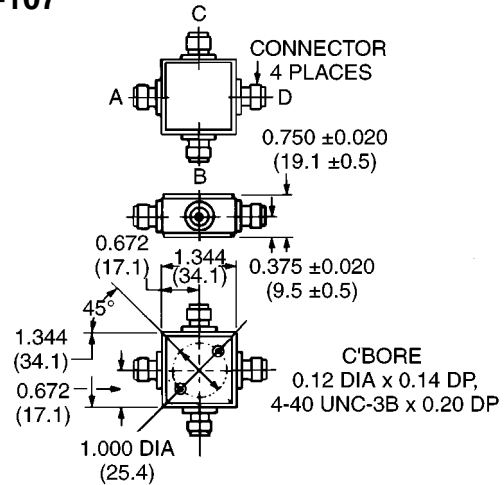
### Functional Diagram



### Ordering Information

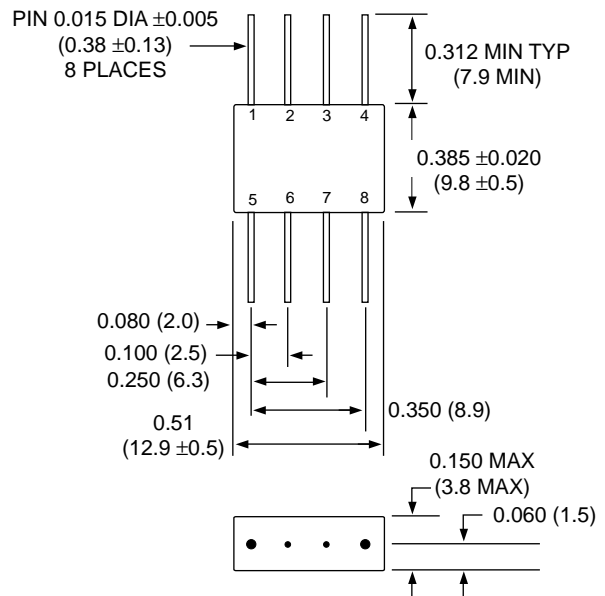
Model No.	Package
HH-106 PIN	FP-2
HH-107 BNC	C-8-107
HH-107 SMA	C-8-107

### C-8-107



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

Specifications Subject to Change Without Notice.

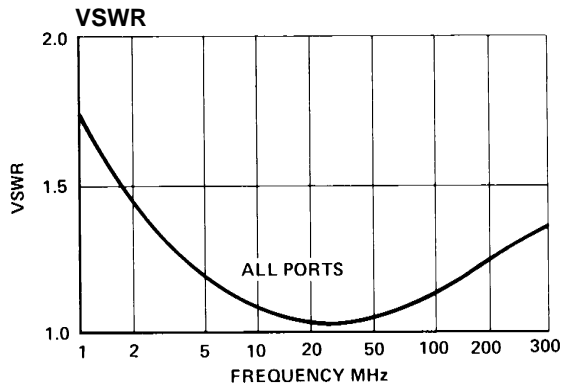
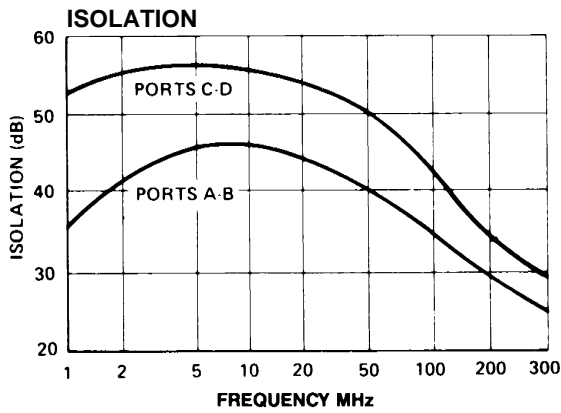
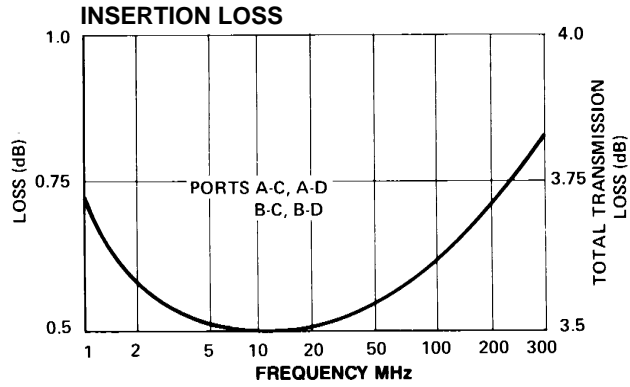
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Typical Performance



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