



**MODELS**  
HH-106/107

**180° HYBRID JUNCTIONS**  
2-200 MHz

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
<b>Package Type</b>	HH-106 Flatpack (FP-2)
	HH-107 Connectorized (C-8)
(See pages 474 and 481 for physical dimensions.)	

#### Environmental

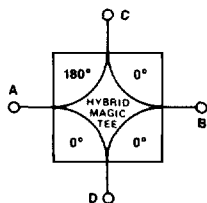
These units are designed to meet the environmental and screening requirements of Table 1A, page 496 of the Adams-Russell catalog.

#### 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.

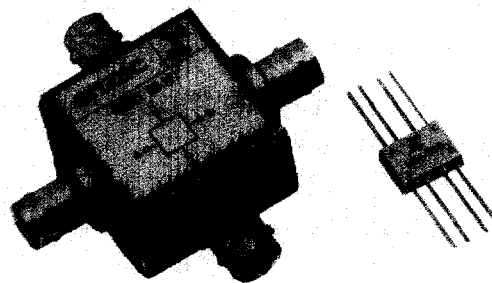
### Functional Diagram



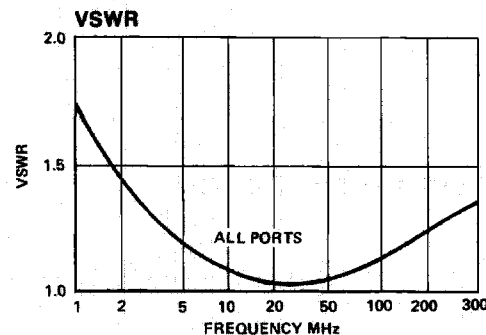
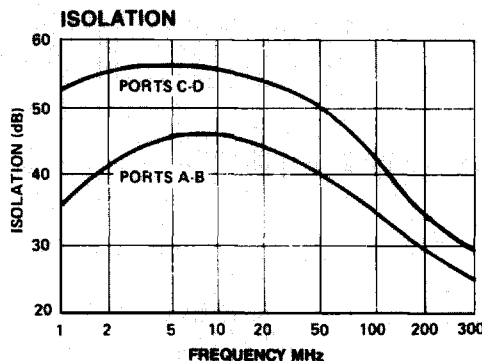
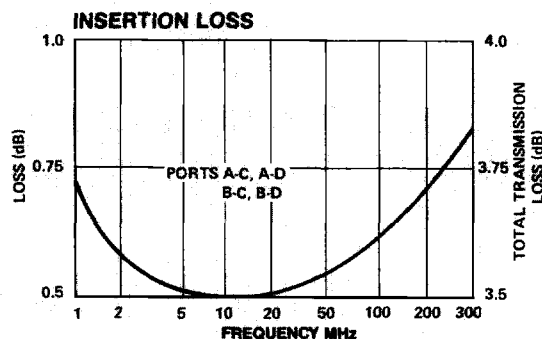
### Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
HH-106	9419	Pin	\$ 79
HH-107	8001	BNC	121
HH-107	8004	SMA	125

Delivery is from stock.



### Typical Performance



**ANZAC**

Make the Connection...

**Adams Russell**  
COMPONENTS GROUP

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For Ordering Information, Call (617) 273-3333