



MODEL H-9

# HYBRID JUNCTION 2 MHz-2 GHz

0°-180° Hybrid with 10 Octave Bandwidth  
30 dB Minimum Isolation  
Low VSWR

## Guaranteed Specifications\*

(From -55°C to +85°C)

<b>Frequency Range</b>	2-2000 MHz	
<b>Insertion Loss (Less coupling)</b>	2-5 MHz	1.7 dB Max
	5-20 MHz	1.7 dB Max
	20-300 MHz	0.7 dB Max
	300-1000 MHz	1.25 dB Max
	1000-2000 MHz	2.25 dB Max
<b>Isolation</b>	2-20 MHz	35 dB Min
	20-300 MHz	40 dB Min
	300-1000 MHz	30 dB Min
	1000-2000 MHz	30 dB Min
<b>Amplitude Balance</b>	2-2000 MHz 0.5 dB Max	
<b>VSWR</b>	2-5 MHz	3.0:1 Max
	5-20MHz	2.4:1 Max
	20-300 MHz	1.4:1 Max
	300-1000 MHz	1.7:1 Max
	1000-2000 MHz	1.7:1 Max
<b>Phase Unbalance</b>	2-20 MHz	1° Max
	20-300 MHz	2° Max
	300-1000 MHz	3° Max
	1000-2000 MHz	7° Max

## Operating Characteristics

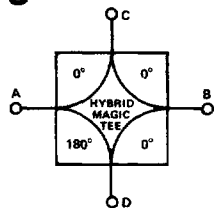
<b>Impedance</b>	50 Ohms Nominal	
<b>Input Power</b>	2-20 MHz	5 Watts Max
	20-2000 MHz	25 Watts Max
<b>Package Type</b>	Connectorized (C-21) (See page 484 for physical dimensions.)	

### Environmental

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

\*All specifications apply with 50 ohm source and load impedance.  
This product contains elements protected by United States Patent Number 3,325,587.

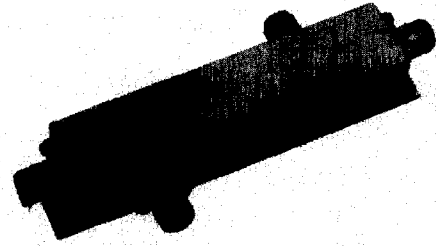
## Functional Diagram



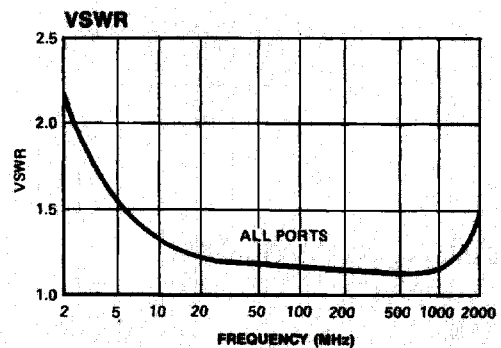
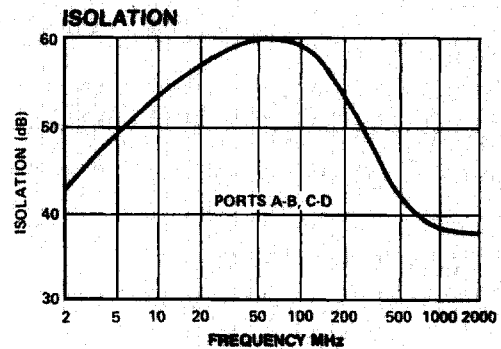
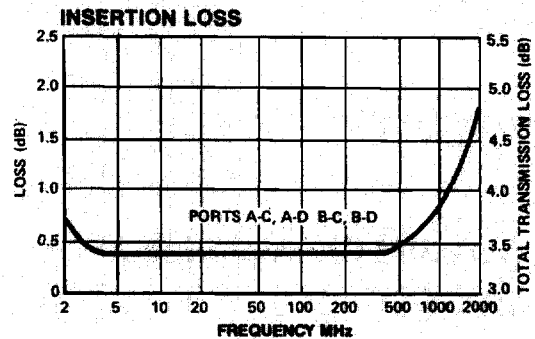
## Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
H-9	8073	N	\$563
H-9	8074	SMA	563

Delivery is from stock.



## Typical Performance



# ANZAC

## Make the Connection...

# Adams Russell

COMPONENTS GROUP

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