

# MACOM

## UHF Hybrid Junction 5 MHz-1 GHz

H-1-4

- Broad Frequency Range
- 0°-180° Hybrid with High Isolation

### Guaranteed Specifications \*

(From -55°C to +85°C)

Frequency Range	5 MHz-1 GHz
Isolation (A-B Ports)	50 dB Min 300 MHz-1 GHz 40 dB Min

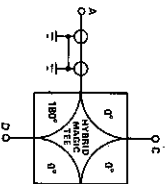
### Operating Characteristics

Impedance	50 Ohms Nominal A & B Ports C & D Ports
Input Power	7 Watts Max Linear with Frequency (~45° @ 300 MHz)
Phase Shift (A to C or D)	Linear with Frequency (~45° @ 300 MHz)

**Environmental**  
See Appendix for MIL-STD-883 screening option.

\*All specifications apply with 50 ohm source and load impedance.  
This product contains elements protected by United States Patent Number 3,311,650.

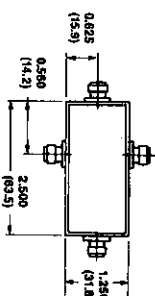
### Functional Diagram



### Ordering Information

Model No.	Package
H-1-4 BNC	Connectorized
H-1-4 N	Connectorized
H-1-4 SMA	Connectorized

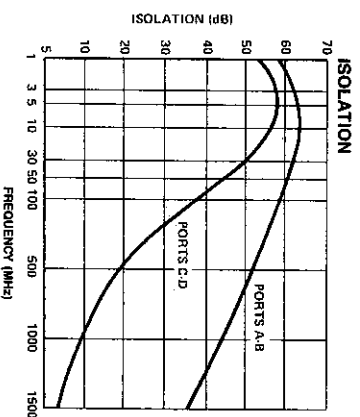
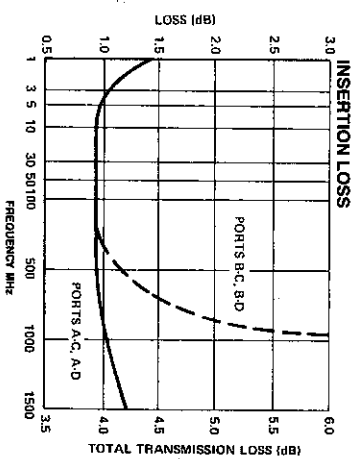
C-33



Dimensions in ( ) are in mm.

See Appendix for complete physical dimensions.

### Typical Performance



Specifications Subject to Change Without Notice.

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2-248

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H-9

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