

# M/A-COM 11 dB Directional Coupler 500 - 1000 MHz

## Features

- Space Qualified
- Designed to meet the Stringent Reliability Standards of Space Hardware
- 50 Ohms Nominal Impedance

## Description

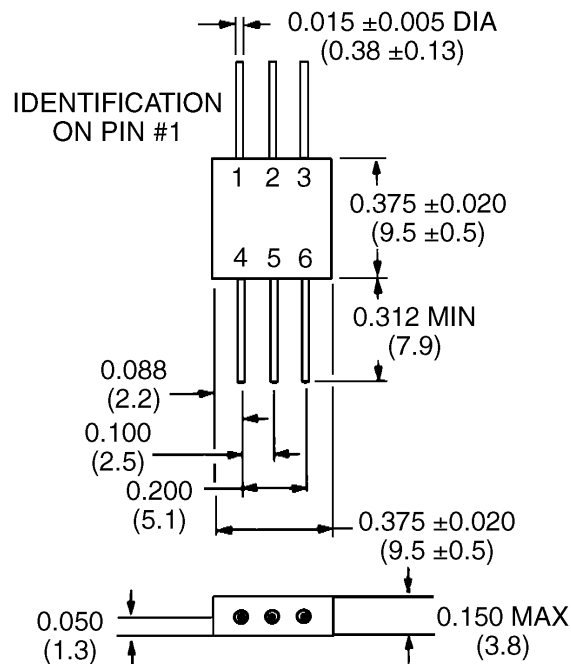
M/A-COM's CH20-0059-S is a unique type of 11 dB Directional Coupler designed to operate within the frequency range of 500 MHz to 1000 MHz.

## Absolute Maximum Ratings<sup>1</sup>

| Parameter                      | Absolute Maximum |
|--------------------------------|------------------|
| Max. Input Power<br>10-500 MHz | 1 Watt           |
| Operating Temperature          | -40°C to +85°C   |
| Storage Temperature            | -65°C to +125°C  |

1. Operation of this device above any one of these parameters may cause permanent damage.

## FP-1



## Electrical Specifications, T<sub>A</sub> = +25°C

| Parameter         | Frequency    | Units | Min. | Typ.                | Max.  |
|-------------------|--------------|-------|------|---------------------|-------|
| Coupling          | 500-1000 MHz | dB    | -    | 10.8 dB<br>± 0.7 dB | -     |
| Coupling Flatness | 500-1000 MHz | dB    | -    | -                   | ±0.5  |
| Directivity       | 500-1000 MHz | dB    | 18   | -                   | -     |
| VSWR              | 500-1000 MHz | -     | -    | -                   | 1.4:1 |
| Main Line Loss    | 500-1000 MHz | dB    | -    | -                   | 1.5   |

Specifications subject to change without notice.

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Visit [www.macom.com](http://www.macom.com) for additional data sheets and product information.

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V 2.0

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