

# M/A-COM 11 dB Directional Coupler

## 10 - 500 MHz

### Features

- Space Qualified version of CH-134
- Designed to meet the Stringent Reliability Standards of Space Hardware
- 50 Ohms Nominal Impedance
- Constant Coupling - Within  $\pm 0.5$  dB Max.

### Description

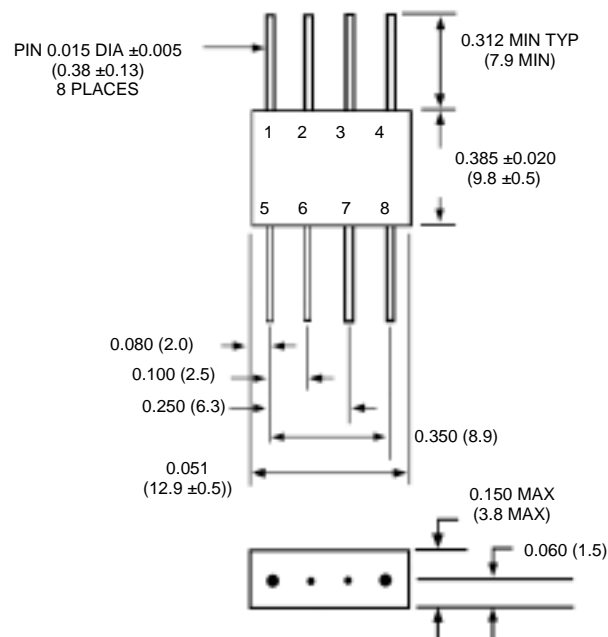
M/A-COM's CH35-0009-S is a unique type of 180° hybrid.

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

Parameter	Absolute Maximum
Max. Input Power	
Operating Temperature	-45°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-2



Dimensions in ( ) are in mm.  
 Unless Otherwise Noted: .xxx =  $\pm 0.010$  (.xx =  $\pm 0.25$ )  
 .xx =  $\pm 0.02$  (.x =  $\pm 0.5$ )  
 WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS

### Electrical Specifications, $T_A = +25^\circ\text{C}$

Parameter	Frequency	Units	Min.	Typ.	Max.
Coupling	10-500 MHz	dB	-	10.8 dB $\pm 0.7$ dB	-
Coupling Flatness	10-500 MHz	dB	-	-	$\pm 0.5$
Directivity	10-500 MHz	dB	20	-	-
VSWR	10-25 MHz	-	-	-	1.8:1
	25-200 MHz	-	-	-	1.5:1
	200-500 MHz	-	-	-	1.8:1
Main line Loss	10-500 MHz	-	-	-	1.6

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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