

M/A-COM 20 dB Directional Coupler

5 - 1000 MHz

Features

- Space Qualified version of CH-140
- Designed to meet the Stringent Reliability Standards of Space Hardware
- 50 Ohms Nominal Impedance
- Broadband Flat Coupling
- Directivity - 30 dB typical

Description

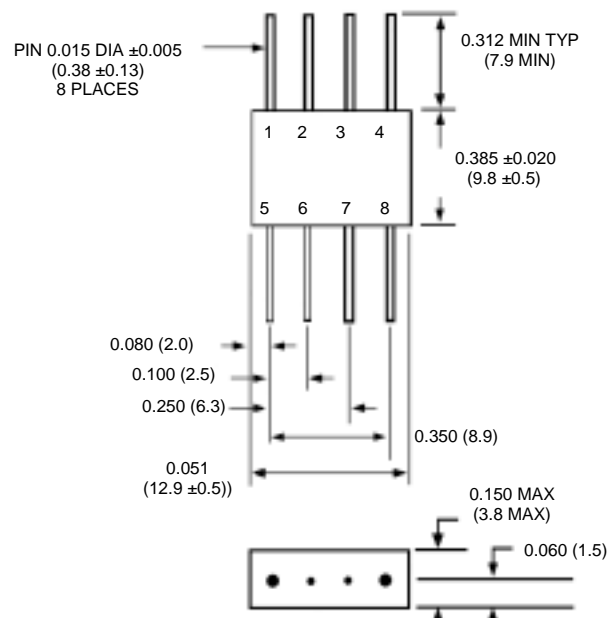
M/A-COM's CH35-0008-S is a unique type of 180° hybrid.

Absolute Maximum Ratings¹

Parameter	Absolute Maximum
Max. Input Power 10-500 MHz	3 Watt Max.
Operating Temperature	-55°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 = ± 0.010 (.xx = ± 0.25)
.xx = ± 0.02 (.x = ± 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	5-1000 MHz	dB	-	19.75 dB ± 1 dB	-
Coupling Flatness	5-1000 MHz	dB	-	-	± 0.5
Directivity	5-800 MHz	dB	20	-	-
	800-1000 MHz	dB	17	-	-
VSWR	5-1000 MHz	-	-	-	1.35:1
Main line Loss	5-1000 MHz	dB	-	-	.75

1. All specifications apply with 50 Ohms source and load impedance.
2. Main line loss includes theoretical power split.

Specifications subject to change without notice.

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Visit www.macom.com for additional data sheets and product information.

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