

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

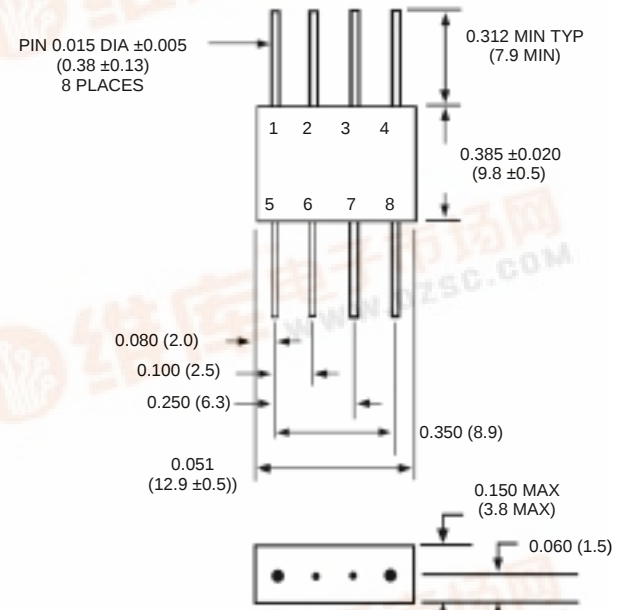
M/A-COM's CH35-0008-S is a unique type of 180° hybrid.

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°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 800-1000 MHz	dB dB	20 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.