

11 dB Bi-directional Coupler 10 - 500 MHz

CH-138

V2 00

Features

• Constant Coupling — Within ±0.5 dB Max

Guaranteed Specifications*

(From -54°C to +85°C)

MODEL	CH-138
Frequency Range	10-500 MHz
Coupling (Input to Output)	10.8 ± 1.0 dB
Coupling Flatness	<u>±</u> 0.5 dB Max
VSWR (All Ports)	
10-500 MHz	1.8:1 Max
25-200 MHz	1.5:1 Max
Directivity (Both Directions)	17 dB Min
Main Line Loss**	1.6 dB Max

Operating Characteristics

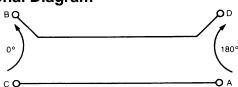
Input Power	1.0 Watt Max
Environmental	
MIL-STD-202 screening available.	

Pin Configuration

CH-138

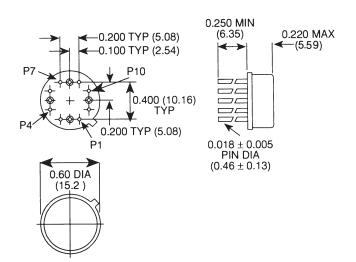
A; P8, B; P2, C; P5, D; P11. All other pins are ground.

Functional Diagram



Ordering Information

Part Number	Package
CH-138 PIN	TO-8-2



TO-8-2

Bottom of Case is AC Ground. Dimensions in () are in mm. Unless Otherwise Noted: $.xxx = \pm 0.010 (.xx = \pm 0.25)$ $.xx = \pm 0.02 (.x = \pm 0.5)$

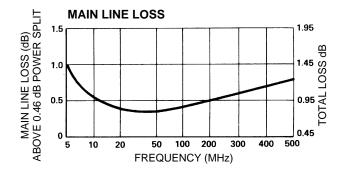


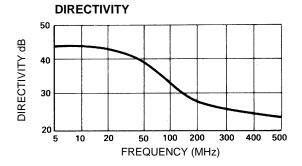
^{*} All specifications apply with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,426,298.

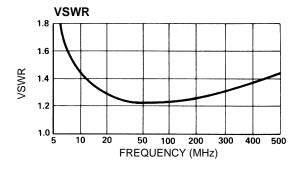
^{**}Includes theoretical power split.

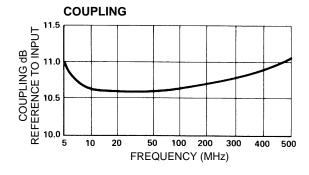
M/A-COM Division of AMP Incorporated North America: Tel. (800) 366-2266, Fax (800) 618-8883 Asia/Pacific: Tel. +85 2 2111 8088, Fax +85 2 2111 8087

Typical Performance











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