

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 $+85^{\circ}\text{C}$)

MODEL	CH-138
Frequency Range	10-500 MHz
Coupling (Input to Output)	10.8 ± 1.0 dB
Coupling Flatness	± 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.

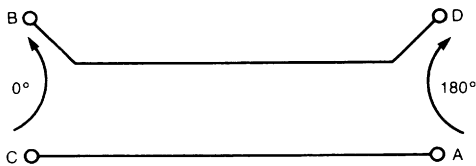
Pin Configuration

CH-138 A; P8, B; P2, C; P5, D; P11.
All other pins are ground.

* 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.

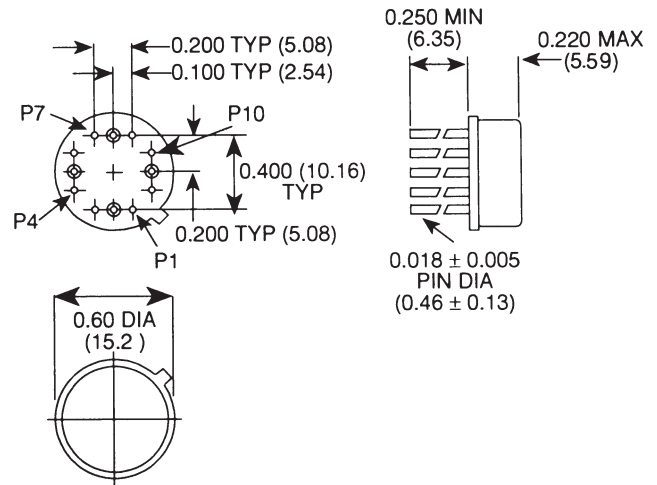
Functional Diagram



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 = ± 0.010 (.xx = ± 0.25)

.xx = ± 0.02 (.x = ± 0.5)

Typical Performance

