



20 dB Directional Coupler 5 - 1000 MHz

CH-140

V2.00

Features

- Broadband Flat Coupling
- 0.3 dB Typical Insertion Loss
- 30 dB Typical Directivity

Guaranteed Specifications*

(From - 55°C to + 85°C)

Frequency Range	5-1000 MHz
Coupling (Input to Output)	19.75 ± 1 dB
Coupling Flatness	± 0.5 dB
VSWR (All Ports)	1.35:1 Max
Directivity (Both Directions)	5-800 MHz 20 dB Min 800-1000 MHz 17 dB Min
Main Line Loss**	0.75 dB Max

Operating Characteristics

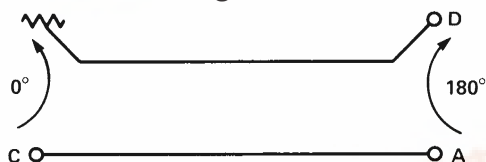
Input Power	3.0 Watts Max
Internal Power Dissipation	0.25 Watts
Environmental	MIL-STD-883 screening available.
Pin Configuration	C; P1, A; P5, D; P8. Case and all other pins ground.

* 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.

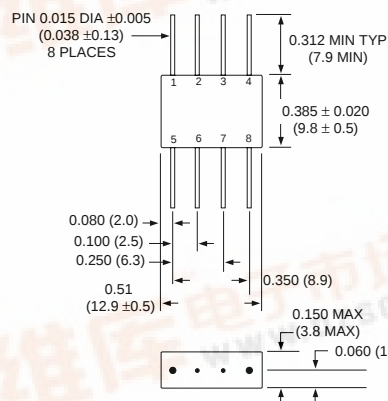
Functional Diagram



Ordering Information

Model No.	Package
CH-140 PIN	Flatpack

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

Typical Performance

