



Bi-Directional Couplers 10 - 500 MHz

CH-/CHS-134

V2.00

Features

- Constant Coupling – Within ± 0.5 dB Max

Guaranteed Specifications* (From -55°C to +85°C)

Frequency Range	10-500 MHz
Coupling (Input to Output)	10.8 $\pm$ 0.7 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)	20 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

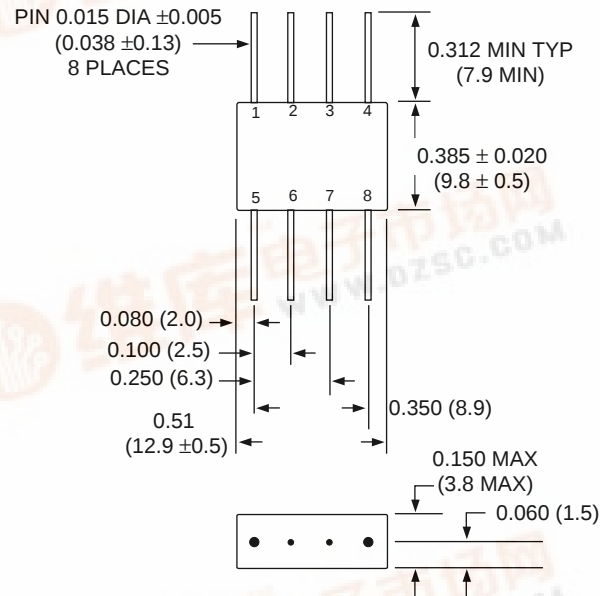
CH-134	C; P1, B; P4, A; P5, D; P8. Case and all other pins ground.
CHS-134	C; P1, B; P2, A; P3, D; P4. Case ground.

*All specifications apply with 50 ohm source and load impedance.

This product contains elements protected by United States Patent Number 3,426,298.

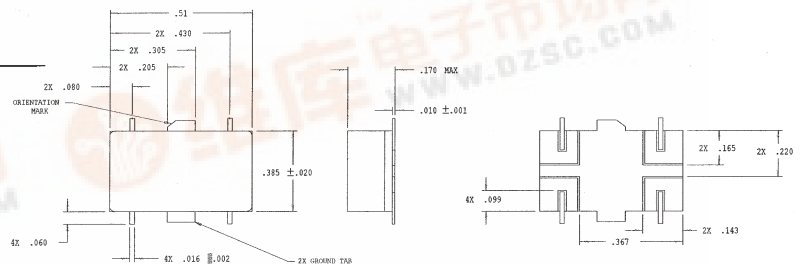
**Includes theoretical power split.

FP-2



WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS

SF-1



Dimensions in () are in mm.

Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25)
.xx = ± 0.02 (.xx = ± 0.5)

WEIGHT (APPROX.): 0.07 OUNCES 2 GRAMS

Ordering Information

Model No.

CH-134 PIN

CHS-134 PIN

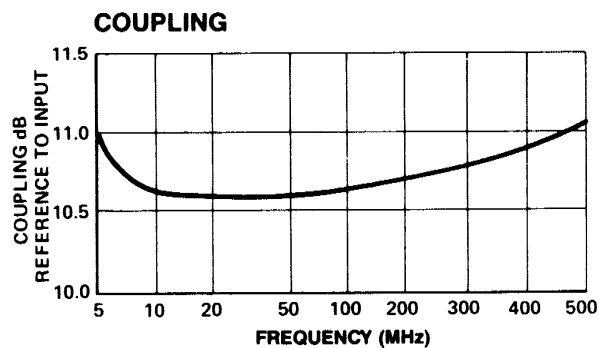
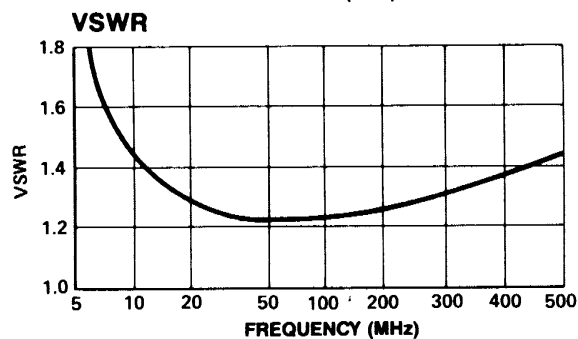
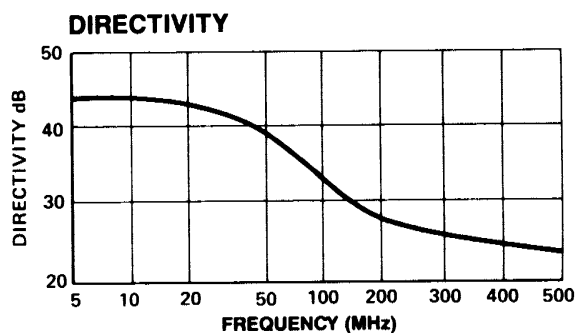
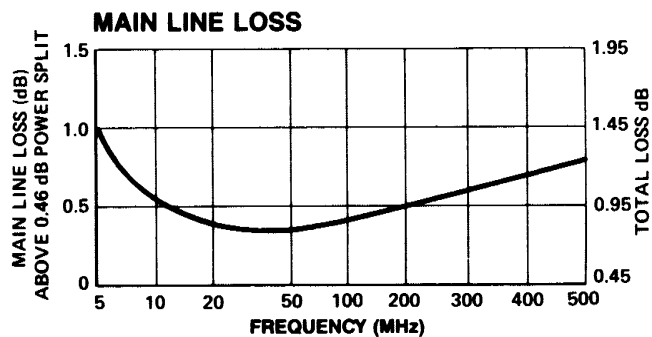
Package

Flatpack

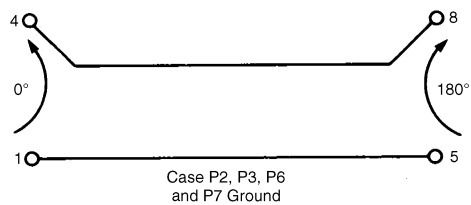
Surface Mount



Typical Performance



Functional Diagram (CH-134)



Functional Diagram (CHS-134)

