

Features

- Broadband Flat Coupling
- 0.3 dB Typical Insertion Loss
- 30 dB Typical Directivity
- MIL-STD-883 Screening Available

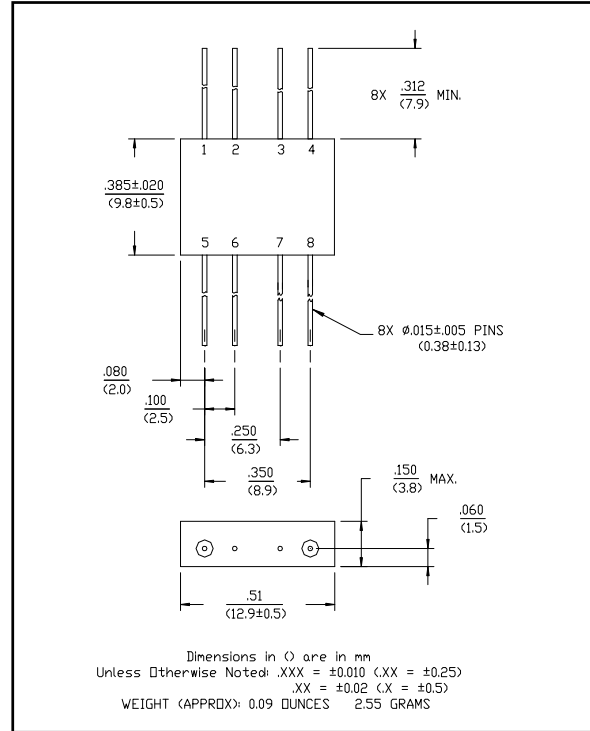
Description

Directional couplers offer the ability to couple the power in one direction.

Pin Configuration

Pin No.	Function	Pin No.	Function
1	C	5	A
2	GND	6	GND
3	GND	7	GND
4	GND	8	D

FP-2



Electrical Specifications¹: T_A = -55°C to +85°C

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
Coupling	Input to Output	—	dB	18.75	19.75	20.75
Coupling Flatness	—	—	dB	—	—	± 0.5
VSWR	All Ports	—	Ratio	—	—	1.35:1
Directivity	Both Directions	5 - 800 MHz 800 - 1000 MHz	dB dB	20 17	— —	— —
Main Line Loss ²	—	—	dB	—	—	0.75
Input Power	—	—	Watt	—	—	3.0
Internal Power Dissipation	—	—	Watt	—	—	0.25

1. All specifications apply with 50 ohm source and load impedance.
 2. Includes theoretical power split.
- This product contains elements protected by United States Patent number 3,426,298.

Functional Diagram

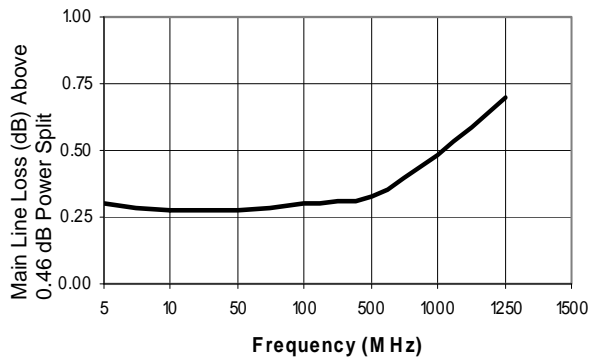


Ordering Information

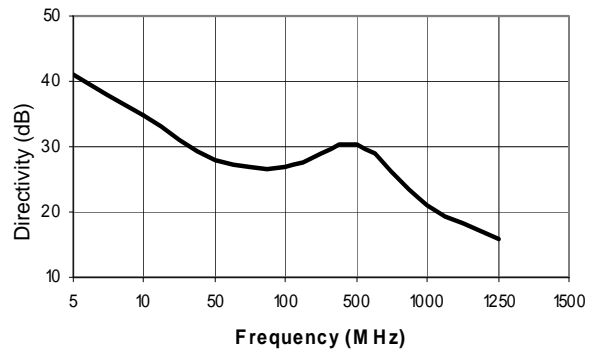
Part Number	Package
CH-140 PIN	FP-2

Typical Performance Curves

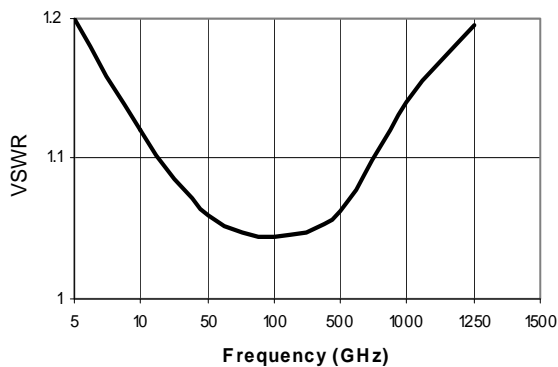
Main Line Loss



Directivity



VSWR



Coupling

