HH-128-PIN

Flatpack Hybrid Junction, 20 - 2000 MHz

Features

- 1.5 dB Typical Midband Insertion Loss •
- 30 dB Typical Midband Isolation
- 1.3:1 Typical Midband VSWR •
- MIL-STD-202 Screening Available •

Description

3 dB Hybrids are ideal for dividing a signal into two signals of equal amplitude and a constant 90° or 180° phase differential and for Quadrature or performing summation/differential combining combining.

Pin Configuration

Pin No.	Function	Pin No.	Function
1	С	6	А
2	GND	7	GND
3	GND	8	GND
4	GND	9	GND
5	D	10	В

Electrical Specifications¹: $T_A = -55^{\circ}C$ to +85°C

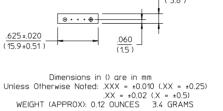
Parameter	Test Conditions	Frequency	Units	Min	Тур	Мах
Insertion Loss	Less Coupling	20 - 2000 MHz 20 - 1000 MHz	dB dB		—	3.0 2.5
Isolation	_	20 - 2000 MHz 20 - 1000 MHz	dB dB	15 20		
Amplitude Balance	_	20 - 2000 MHz 20 - 1000 MHz	dB dB	—	_	1.2 0.5
VSWR	_	20 - 2000 MHz	Ratio	_	—	2.0:1
Phase Balance	_	20 - 2000 MHz 20 - 1000 MHz 20 - 500 MHz	0 0 0		 	20 15 10
Impedance	_	—	Ohms	—	50	—
Input Power	_	_	Watts	—	—	0.5

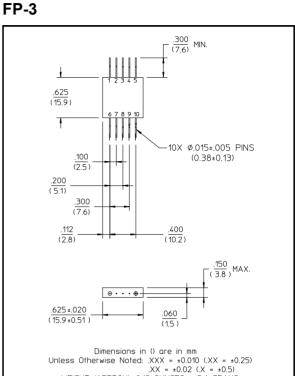
1. All specifications apply with 50 ohm source and load impedance.

This product contains elements protected by United States Patent umber 3,508,171

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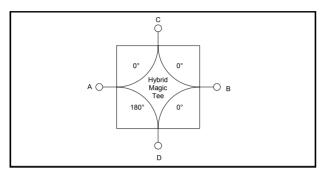
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Functional Diagram

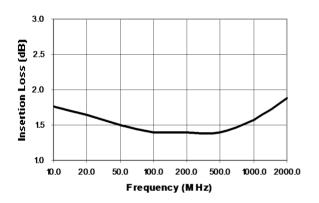


Typical Performance Curves

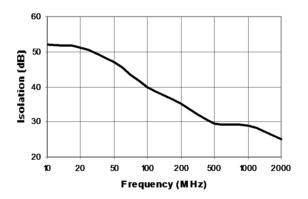
Ordering Information

Part Number	Package		
HH-128 PIN	FP-3		

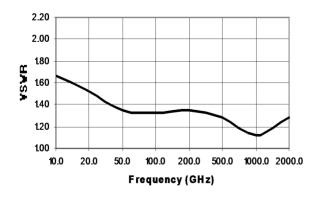
Insertion Loss











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