

Flatpack Hybrid Junction, 20 - 2000 MHz

Rev. V3

Features

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

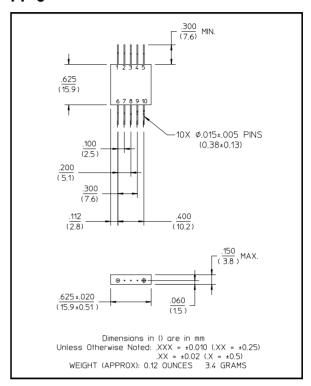
Description

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 combining or performing summation/differential combining.

Pin Configuration

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

FP-3



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

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
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	_ _ _		20 15 10
Impedance	_	_	Ohms	_	50	_
Input Power	_	_	Watts	_	_	0.5

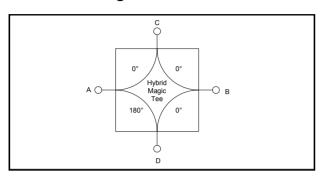
^{1.} All specifications apply with 50 ohm source and load impedance. This product contains elements protected by United States Patent umber 3,508,171



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Functional Diagram

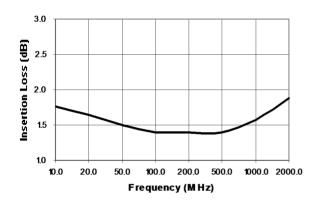


Ordering Information

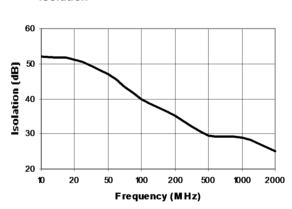
Part Number	Package		
HH-128 PIN	FP-3		

Typical Performance Curves

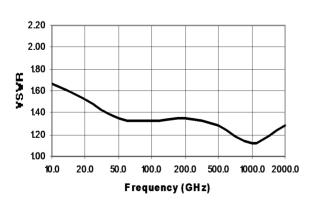
Insertion Loss



Isolation



VSWR



HH-128-PIN



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