

180º Hybrid Junction, 2 - 200 MHz

Rev. V3

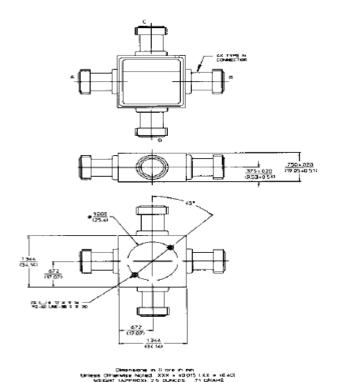
Features

- 0° 180° Hybrid with Symmetrical Time Delay Between Ports
- Available in Flatpack and Connectorized Packages
- MIL-STD-202 Screening Available

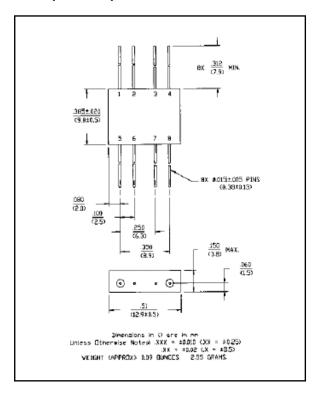
Description

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.

C-8-107 (HH-107)



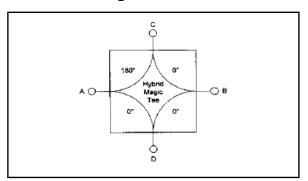
FP-2 (HH-106)



Pin Configuration (HH-106)

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

Functional Diagram



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PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and one of the transfer of

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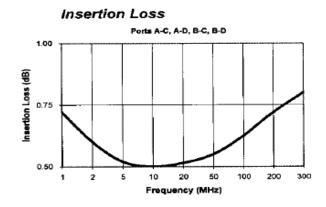
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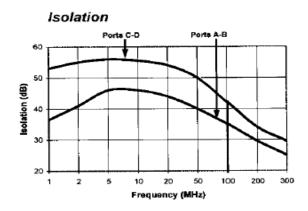
Electrical Specifications¹: $T_A = -55$ °C to +85°C

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
Insertion Loss	Less Coupling	2 - 200 MHz	dB	_	_	1.0
Isolation	A - B C - D	2 - 200 MHz 5 - 50 MHz 2 - 200 MHz 5 - 50 MHz	dB dB dB dB	25 30 30 35	_	_
Amplitude Balance	_	2 - 200 MHz	dB	_	_	0.3
VSWR	_	2 - 200 MHz 5 - 50 MHz	Ratio Ratio	_	_	1.5:1 1.3:1
Phase Balance	_	2 - 200 MHz	٥	_	_	3
Impedance	_	2 - 200 MHz	Ohms	_	50	_
Input Power	_	2 - 200 MHz	Watts	_	_	1

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

Typical Performance Curves





All Ports 2.00 1.50 1.00 1.00 2.5 1.00 2.5 1.00 2.05 1.00 2.00 3.00 Frequency (GHz)

Ordering Information

Part Number	Package		
HH-106 PIN	FP-2		
HH-107 BNC	C-8-107		
HH-107 SMA	C-8-107		

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Commitment to produce in volume is not du

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