

Hybrid Junction 2 MHz - 2 GHz

H-9

V2.00

Features

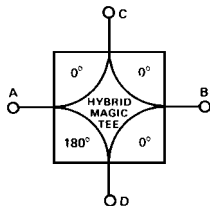
- 0° - 180° Hybrid with 10 Octave Bandwidth
- 30 dB Minimum Isolation
- Low VSWR
- Impedance: 50 Ohms Nom.
- Input Power: 2-20 MHz: 5 W. Max.
20-2000 MHz: 25 W. Max.
- MIL-STD-883 Screening Available

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

Frequency Range	2-2000 MHz		
Insertion Loss (Less Coupling)	2 - 5 MHz	1.7 dB Max.	
	5 - 20 MHz	1.7 dB Max.	
	20 - 300 MHz	0.7 dB Max.	
	300 - 1000 MHz	1.4 dB Max.	
	1000 - 1500 MHz	2.25 dB Max.	
Isolation	1500 - 2000 MHz	2.5 dB Max.	
	2 - 20 MHz	35 dB Min.	
	20 - 300 MHz	40 dB Min.	
	300 - 1000 MHz	30 dB Min.	
Amplitude Balance	1000 - 2000 MHz	30 dB Min.	
	2 - 2000 MHz	0.5 dB Max.	
	VSWR	2 - 5 MHz	3.5:1 Max.
		5 - 20 MHz	2.4:1 Max.
20 - 300 MHz		1.4:1 Max.	
300 - 1000 MHz		1.7:1 Max.	
1000 - 2000 MHz		1.7:1 Max.	
Phase Unbalance	2 - 300 MHz	2° Max.	
	300 - 1000 MHz	3° Max.	
	1000 - 2000 MHz	7° Max.	

* All specifications apply with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,325,587.

Functional Diagram



Ordering Information

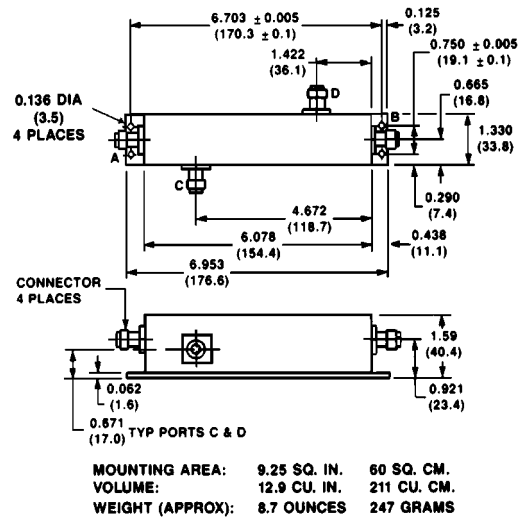
Part Number	Package
H-9 N	Connectorized
H-9 SMA	Connectorized

Specifications Subject to Change Without Notice.

M/A-COM, Inc.

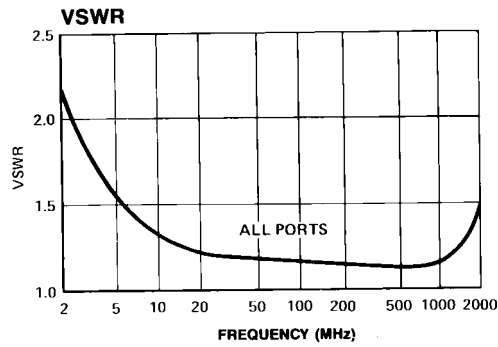
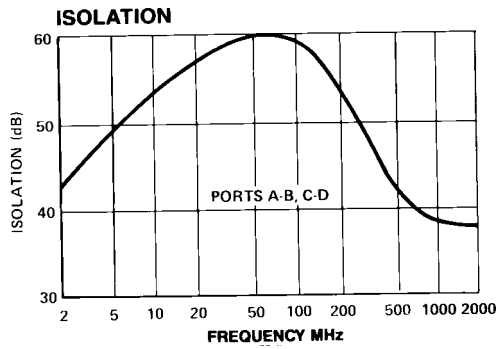
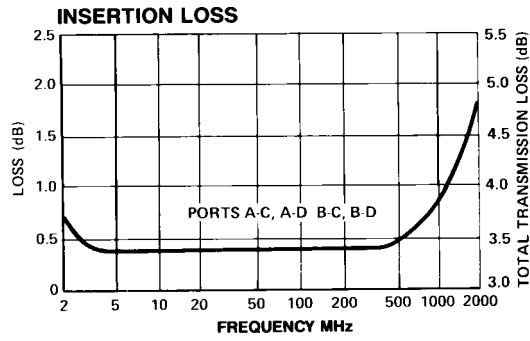
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C-21



Dimensions in () are in mm.
 Unless Otherwise Noted: .xxx = ± 0.015
 (.x = ± 0.4)

Typical Performance



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