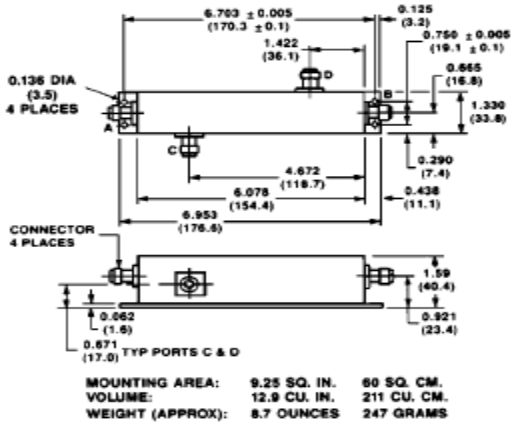
Hybrid Junction, 2 MHz - 2 GHz

Rev. V2

Features

- 0^{o} - 180^{o} 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

C-21



Guaranteed Specifications*: From –55°C to +85°C

Frequency Range		2-2000 MHz
Insertion Loss (less coupling)	2-5 MHz 5-20 MHz 20-300 MHz 300-1000 MHz 1000-1500 MHz 1500-2000 MHz	1.7 dB Max 1.7 dB Max 0.7 dB Max 1.4 dB Max 2.25 dB Max 2.5 dB Max
Isolation	2-20 MHz 20-300 MHz 300-1000 MHz 1000-2000 MHz	35 dB Min 40 dB Min 30 dB Min 30 dB Min
Amplitude Balance	2-2000 MHz	0.5 dB Max
VSWR	2-5 MHz 5-20 MHz 20-300 MHz 300-1000 MHz 1000-2000 MHz	3.5:1 Max 2.4:1 Max 1.4:1 Max 1.7:1Max 1.7:1Max
Phase Balance	2-300 MHz 300-1000 MHz 1000-2000 MHz	2^{o} Max 3^{o} Max 7^{o} Max

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

• **North America** Tel: 800.366.2266 • **Europe** Tel: +353.21.244.6400
• **India** Tel: +91.80.4155721 • **China** Tel: +86.21.2407.1588
Visit www.macomtech.com for additional data sheets and product information.

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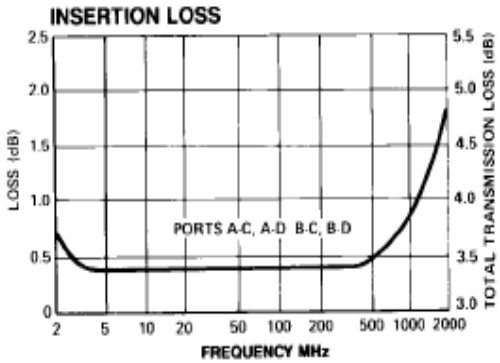
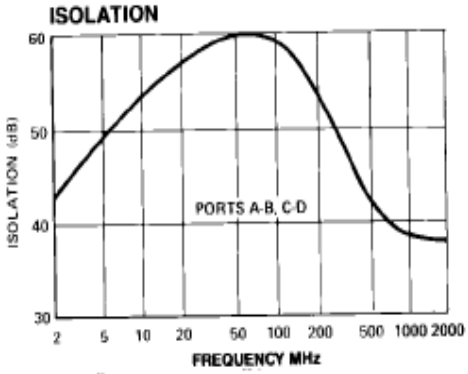
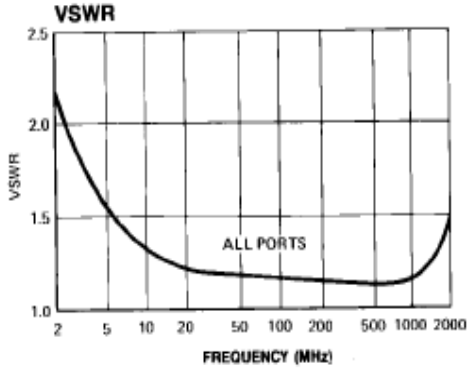
Typical Performance Curves







Ordering Information

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

Functional Diagram