

Hybrid Junction, 2 MHz - 2 GHz

Rev. V2

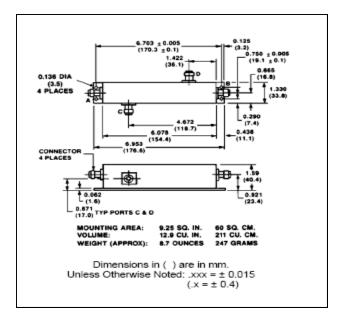
Features

- 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

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 1.7:1 Max 1.7:1 Max
Phase Balance	2-300 MHz 300-1000 MHz 1000-2000 MHz	2° Max 3° Max 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.

typical. Mechanical outline has been fixed. Engineering samples in Commitment to produce in volume is not guaranteed.

ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed. PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology

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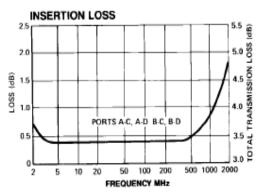
[•] China Tel: +86.21.2407.1588 • India Tel: +91.80.4155721 Visit www.macomtech.com for additional data sheets and product information.

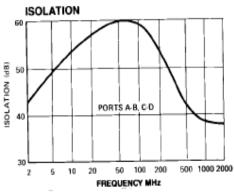


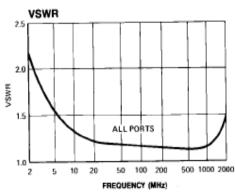
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Typical Performance Curves



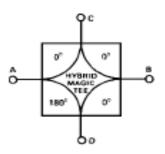




Ordering Information

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

Functional Diagram



Solutions has under development. Performance is based on engineering tests. Specifications are

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