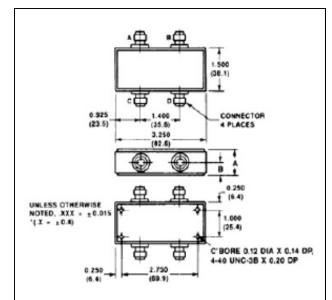
Technology Solutions

Rev. V2

Microwave Hybrid Junction, 30 MHz - 3 GHz

Features

- 0° 180° Hybrid
- Seven Octave Frequency Range



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

Frequency Range		30-3000 MHz
Insertion Loss (less coupling)	30-100 MHz 100-1500 MHz 1500-3000 MHz	1.2 dB Max 1.5 dB Max 2.5 dB Max
Isolation	30-100 MHz 100-1500 MHz 1500-3000 MHz	25 dB Min 20 dB Min 20 dB Min
Amplitude Balance	2-2000 MHz	0.4 dB Max
VSWR	30-100 MHz 100-1500 MHz 1500-3000 MHz	1.6:1 Max 1.6:1 Max 2.5:1 Max
Phase Balance	30-100 MHz 100-1500 MHz 1500-3000 MHz	2º Max 7.5º Max 15º Max

C-11

Operating Characteristics

Parameter	Absolute Maximum
Impedance	50 Ohms Nominal
Input Power	5.0 Watt Max
Enviornmental MIL-STD-883 screening available.	

* All specifications apply with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,508,171.

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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

Α

 1.207 ± 0.020

 (30.6 ± 0.5)

В

 0.592 ± 0.020

 (15.03 ± 0.5)

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.

Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples into the total may be available commitment to produce in volume is not superstruct the second s

H-183-4

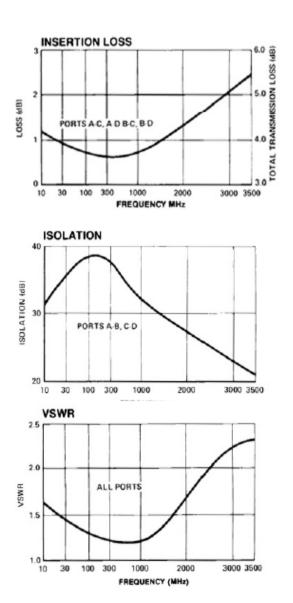




Microwave Hybrid Junction, 30 MHz - 3 GHz

Rev. V2

Typical Performance Curves



Ordering Information

Part Number	Package
H-183-4 SMA	Connectorized

Functional Diagram

