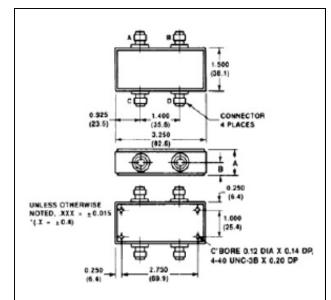
Technology Solutions

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.

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.

Α

 1.207 ± 0.020

 (30.6 ± 0.5)

H-183-4

1

В

 0.592 ± 0.020

 (15.03 ± 0.5)

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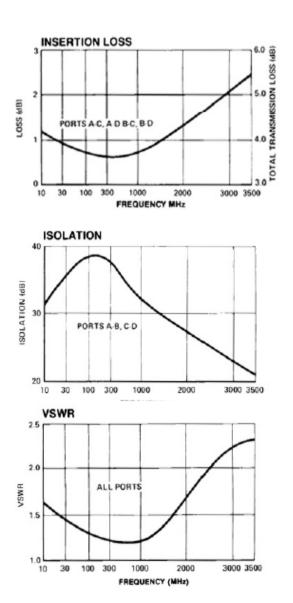
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Microwave Hybrid Junction, 30 MHz - 3 GHz

Rev. V2

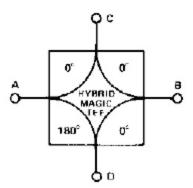
Typical Performance Curves



Ordering Information

Part Number	Package
H-183-4 SMA	Connectorized

Functional Diagram



2

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