

# Microwave Hybrid Junction

## 30 MHz - 3 GHz

# H-183-4

V2.00

### Features

- 0°-180° Hybrid
- Seven Octave Frequency Range

### Guaranteed Specifications\*

(From -55°C to +85°C)

<b>Frequency Range</b>	30-3000 MHz	
<b>Insertion Loss (Less coupling)</b>	30-100 MHz	1.2 dB Max
	100-1500 MHz	1.5 dB Max
	1500-3000 MHz	2.5 dB Max
<b>Isolation</b>	30-100 MHz	25 dB Min
	100-1500 MHz	20 dB Min
	1500-3000 MHz	20 dB Min
<b>Amplitude Balance</b>	30-3000 MHz	0.4 dB Max
<b>VSWR</b>	30-100 MHz	1.6:1 Max
	100-1500 MHz	1.6:1 Max
	1500-3000 MHz	2.5:1 Max
<b>Phase Unbalance</b>	30-100 MHz	3° Max
	100-1500 MHz	7.5° Max
	1500-3000 MHz	15° Max

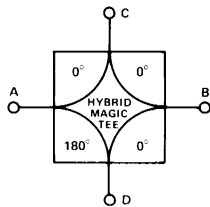
### Operating Characteristics

<b>Impedance</b>	50 Ohms Nominal
<b>Input Power</b>	5 Watts Max
<b>Environmental</b>	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.

### Functional Diagram



### Ordering Information

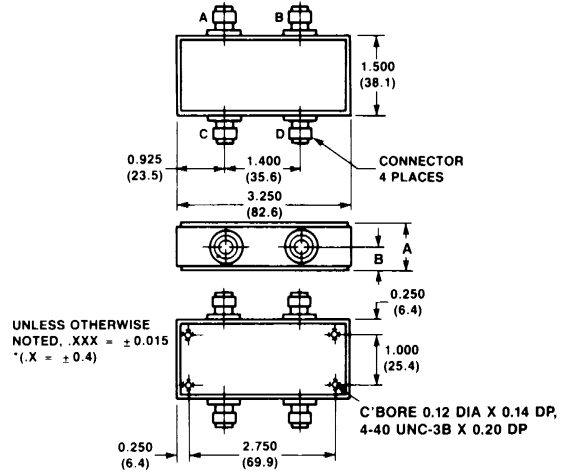
Model No.	Package
H-183-4 SMA	Connectorized

Specifications Subject to Change Without Notice.

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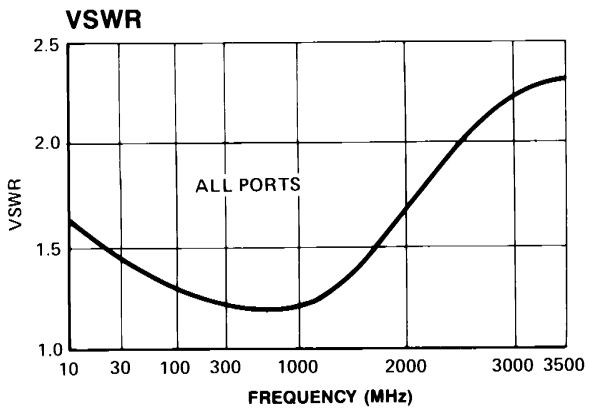
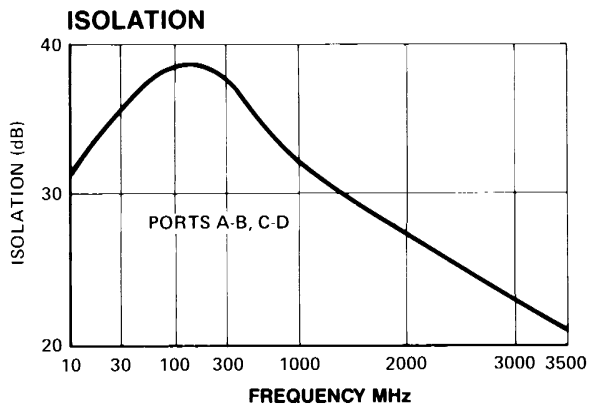
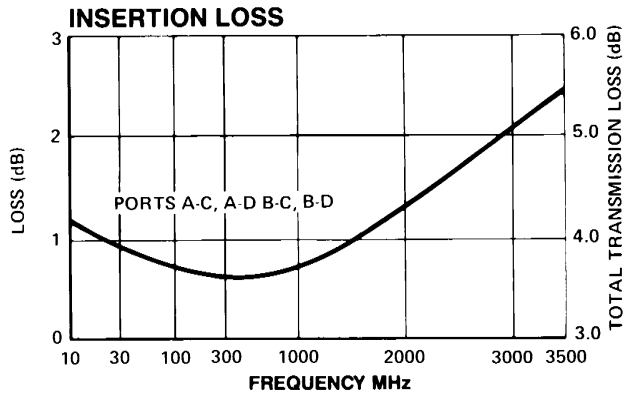
### C-11



Dimensions in ( ) are in mm.  
 Unless Otherwise Noted: .xxx = ±0.015 (x = ±0.4)  
 WEIGHT (APPROX): 7 OUNCES 198 GRAMS

	A	B
H-183-4	1.207 ± 0.020 (30.6 ± 0.5)	0.592 ± 0.020 (15.03 ± 0.5)

Typical Performance



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