

Microwave Hybrid Junction
30 MHz - 3 GHz

H-183-4
V2

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	1.2 dB Max
	100-1500 MHz	1.5 dB Max
	1500-3000 MHz	2.5 dB Max
Isolation	30-100 MHz	25 dB Max
	100-1500 MHz	20 dB Max
	1500-3000 MHz	20 dB Max
Amplitude Balance	30-3000 MHz	0.4 dB Max
VSWR	30-100 MHz	1.6:1
	100-1500 MHz	1.6:1
	1500-3000 MHz	2.5:1
Phase Unbalance	30-100 MHz	3° Max
	100-1500 MHz	7.5° Max
	1500-3000 MHz	15° Max

Operating Characteristics

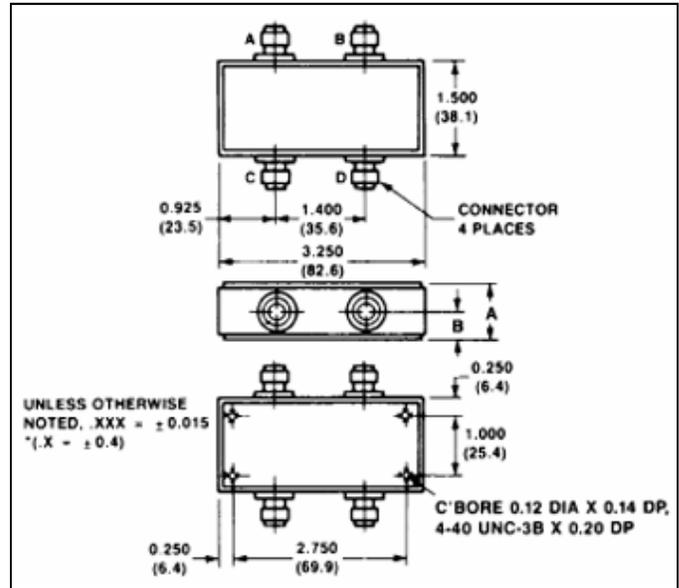
Impedance	50 Ohms Nominal
Input Power	5 Watts Max
Environmental MIL-STD-883 Screening available.	

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

Ordering Information

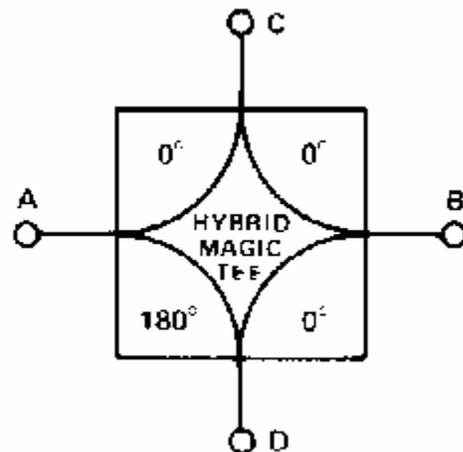
Model No.	Package
H-183-4 SMA	Connectorized

C-11



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

Functional Diagram



Typical Performance

