

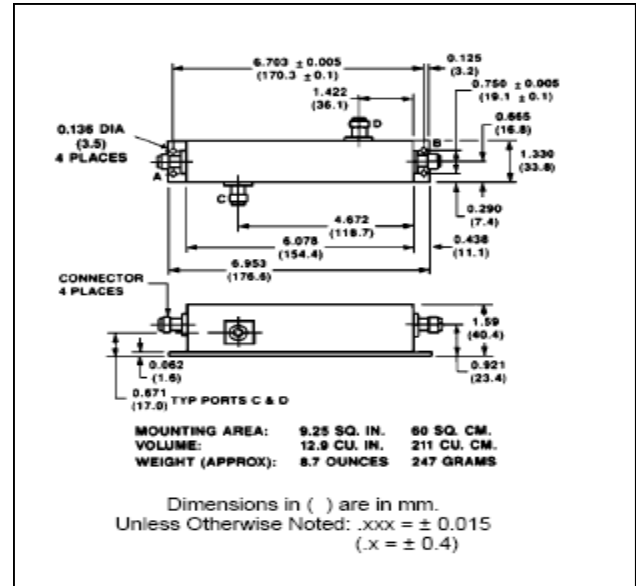
## Hybrid Junction, 2 MHz - 2 GHz

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

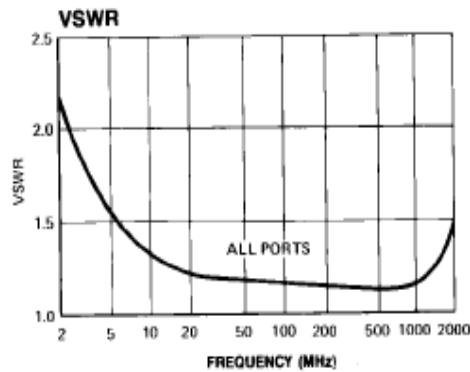
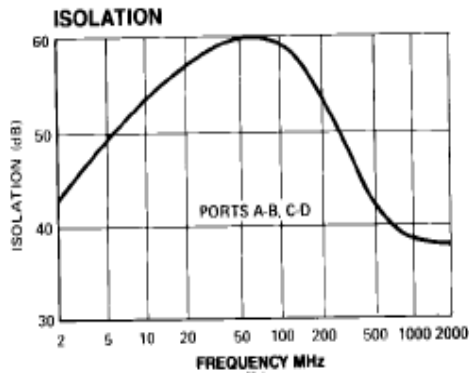
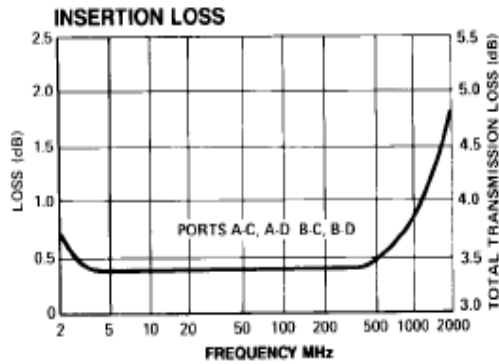


### Guaranteed Specifications\*: From -55°C to +85°C

| Frequency Range                |               | 2-2000 MHz  |
|--------------------------------|---------------|-------------|
| Insertion Loss (less coupling) | 2-5 MHz       | 1.7 dB Max  |
|                                | 5-20 MHz      | 1.7 dB Max  |
|                                | 20-300 MHz    | 0.7 dB Max  |
|                                | 300-1000 MHz  | 1.4 dB Max  |
|                                | 1000-1500 MHz | 2.25 dB Max |
|                                | 1500-2000 MHz | 2.5 dB Max  |
| Isolation                      | 2-20 MHz      | 35 dB Min   |
|                                | 20-300 MHz    | 40 dB Min   |
|                                | 300-1000 MHz  | 30 dB Min   |
|                                | 1000-2000 MHz | 30 dB Min   |
| Amplitude Balance              | 2-2000 MHz    | 0.5 dB Max  |
| VSWR                           | 2-5 MHz       | 3.5:1 Max   |
|                                | 5-20 MHz      | 2.4:1 Max   |
|                                | 20-300 MHz    | 1.4:1 Max   |
|                                | 300-1000 MHz  | 1.7:1Max    |
|                                | 1000-2000 MHz | 1.7:1Max    |
| Phase Balance                  | 2-300 MHz     | 2° Max      |
|                                | 300-1000 MHz  | 3° Max      |
|                                | 1000-2000 MHz | 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 Performance Curves



## Ordering Information

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

## Functional Diagram

