

# Hybrid Junction 20 - 300 MHz

## HH-105

TO-5-2

V2.00

### Features

- 0° - 180° Hybrid in TO-5 Package
- High Isolation

### Guaranteed Specifications\* (from -55°C to +85°C)

|                                |               |
|--------------------------------|---------------|
| Frequency Range                | 20-300 MHz    |
| Insertion Loss (Less Coupling) | 1.0 dB Max    |
| Isolation                      | 28 dB Min     |
| Amplitude Balance              | 0.25 dB Max** |
| VSWR                           | 1.3:1 Max     |
| Phase Balance                  | 2° Max**      |

### Operating Characteristics

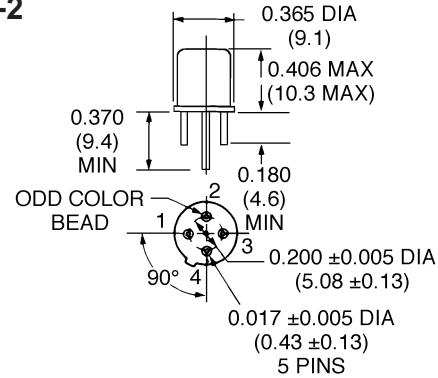
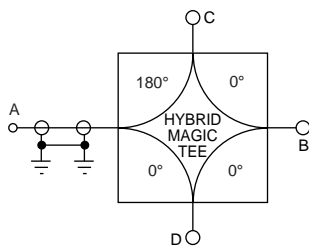
|                   |   |
|-------------------|---|
| Impedance         | 50 Ohms Nominal                           |
| Input Power       | 0.5 Watts Max                             |
| Environmental     | MIL-STD-202 screening available.          |
| Pin Configuration | A; P1, B; P2, D; P3, C; P4<br>Case ground |

\*All specifications apply with 50 ohm source and load impedance.  
\*\*Differences measure between C & D feeding A or B.

### Ordering Information

| Part Number | Package |
|-------------|---------|
| HH-105 PIN  | TO-5-2  |

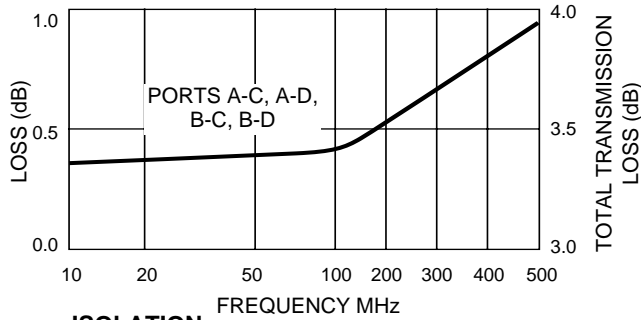
### Functional Diagram



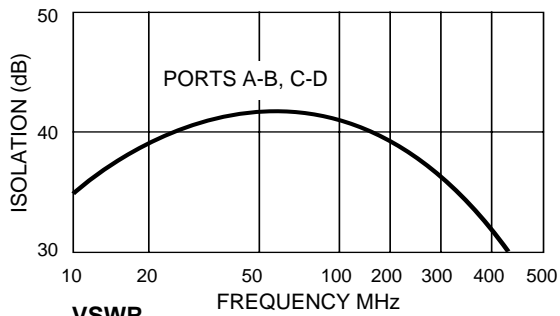
Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)  
.xx = ±0.02 (.x = ±0.5)  
MOUNTING AREA: 0.1 SQ. IN. 0.6 SQ. CM.  
WEIGHT (APPROX.): 0.11 OUNCES 3 GRAMS

Typical Performance

INSERTION LOSS



ISOLATION



VSWR

