

# 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 Case ground

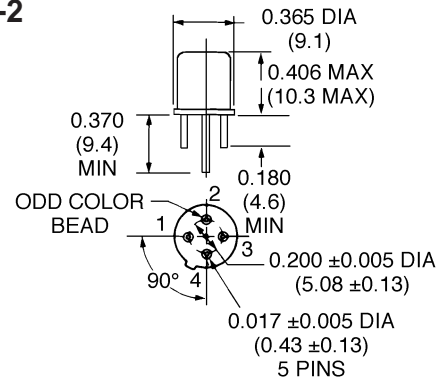
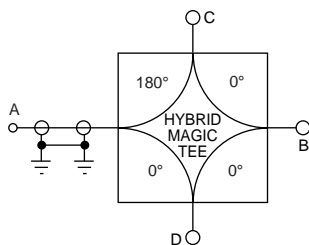
\*All specifications apply with 50 ohm source and load impedance.

\*\*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)

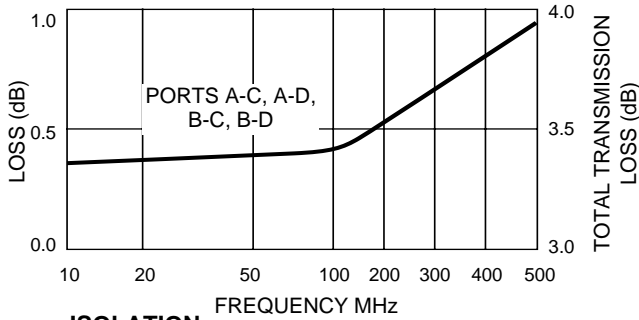
.xx = ±0.02 (.x = ±0.5)

MOUNTING AREA: 0.1 SQ. IN. 0.6 SQ. CM.

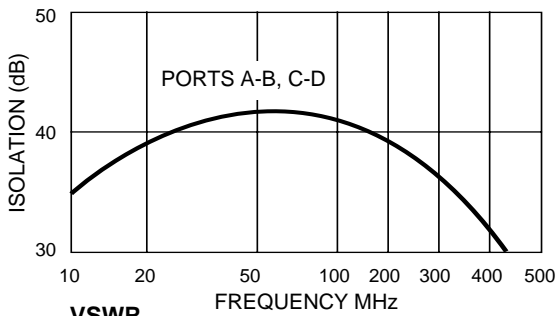
WEIGHT (APPROX.): 0.11 OUNCES 3 GRAMS

**Typical Performance**

**INSERTION LOSS**



**ISOLATION**



**VSWR**

