

# Two-Way Power Dividers

## 1 - 100 MHz and 40 - 400 MHz

# MTH-50/MTV-50

V2.00

### Features

- Ideal for High Density Packaging
- High Isolation - 30 dB Min
- VSWR - 1.3:1 Max

### Guaranteed Specifications\*

(From - 55°C to + 85°C)

MODEL	MTH-50	MTV-50
Frequency Range	1-100	40-400 MHz
Insertion Loss (Less coupling)	0.5	0.6 dB Max
Isolation	30	30 dB Min
Amplitude Balance	0.1	0.2 dB Max
Phase Balance	1.0	2.0° Max
VSWR	1.3:1	1.3:1 Max

### Operating Characteristics

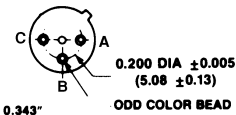
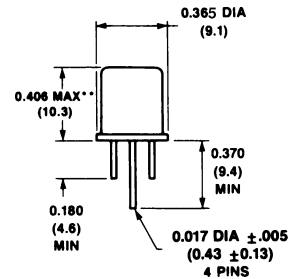
Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	1 Watt Max
Internal Load Dissipation	0.05 Watts Max
Environmental	MIL-STD-883 screening available.
Pin Configuration	IN; B, Out; A & C Unmarked Pin Ground Case Ground

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

### Ordering Information

Model No.	Package
MTH-50 PIN	TO-5-1
MTV-50 PIN	TO-5-1

### TO-5-1



\*\*FOR MTH-50; 0.343" MAX FOR MTV-50

MOUNTING AREA: 0.1 SQ. IN. 0.6 SQ. CM.  
WEIGHT (APPROX.): 0.11 OUNCES 3 GRAMS

Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25)  
.xx = ± 0.02 (.x = ± 0.5)

### Typical Performance

