

# Two-Way Power Dividers

## 2 - 200 MHz and 20 - 400 MHz

THV-50/TU-50

V2.00

### Features

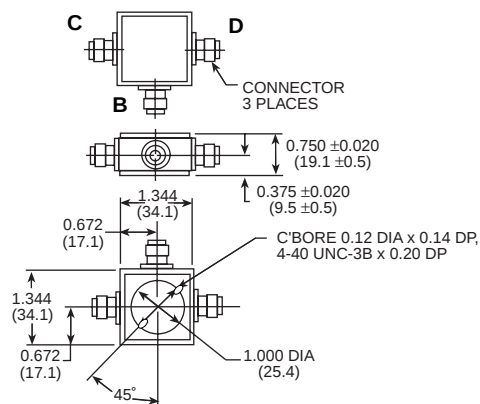
- Isolation – 30 dB Min
- Loss – 0.5 dB Max
- Low VSWR – 1.3:1 Max

### Guaranteed Specifications\*

(From – 55°C to + 85°C)

| MODEL                          | THV-50 | TU-50      |
|--------------------------------|--------|------------|
| Frequency Range                | 2-200  | 20-400 MHz |
| Insertion Loss (Less coupling) | 0.5    | 0.5 dB Max |
| Isolation                      | 30     | 30 dB Min  |
| Amplitude Balance              | 0.2    | 0.2 dB Max |
| Phase Balance                  | 1.0    | 2.0° Max   |
| VSWR (All Ports)               | 1.3:1  | 1.3:1 Max  |

C-7



Dimensions in ( ) are in mm.  
 Unless Otherwise Noted: .xxx = ±0.015 (.xx = ±0.38)  
 (.x = ±0.4)  
 WEIGHT (APPROX.): 2.5 OUNCES 71 GRAMS

### Operating Characteristics

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Impedance                           | 50 Ohms Nominal                  |
| Maximum Power Rating or Input Power | 2.5 Watts Max                    |
| Internal Load Dissipation           | 0.5 Watts Max                    |
| Environmental                       | MIL-STD-202 screening available. |

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

### Ordering Information

| Model No.  | Package       |
|------------|---------------|
| THV-50 BNC | Connectorized |
| THV-50 N   | Connectorized |
| THV-50 SMA | Connectorized |
| THV-50 TNC | Connectorized |
| TU-50 BNC  | Connectorized |
| TU-50 TNC  | Connectorized |
| TU-50 N    | Connectorized |
| TU-50 SMA  | Connectorized |

Typical Performance

