

THV-50 / TU-50



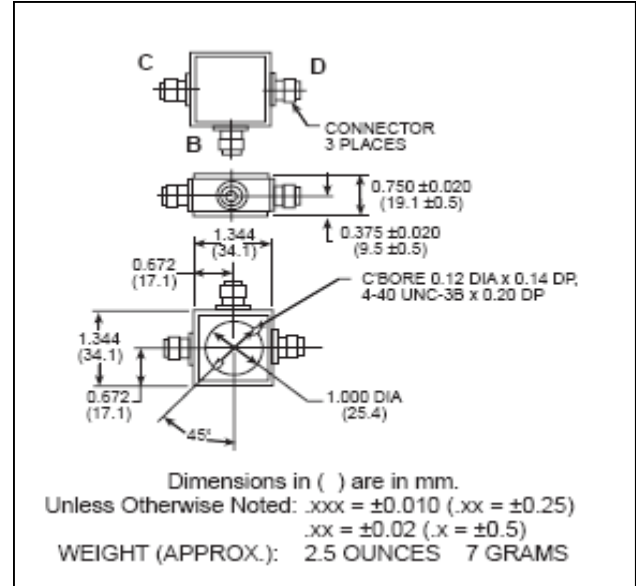
Two-Way Power Dividers,
2 - 200 MHz and 20 - 400 MHz

Rev. V2

Features

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

C-7



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 Max | 1.3:1 Max |

Operating Characteristics

| Parameter | Absolute Maximum |
|---|------------------|
| Impedance | 50 Ohms Nominal |
| Maximum Power Rating Or Input Power | 2.0 Watt Max |
| Internal Load Dissipation | 0.5 Watt Max |
| Environmental MIL-STD-202 screening available. | |

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

ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.
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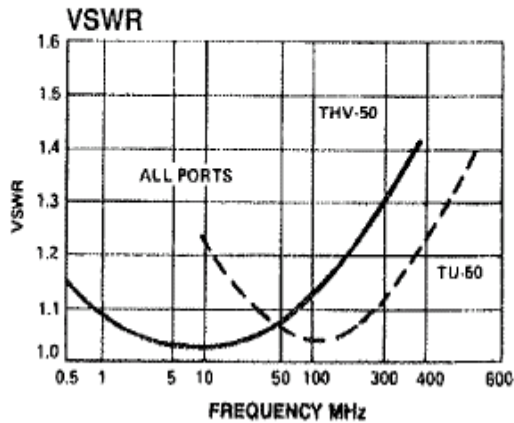
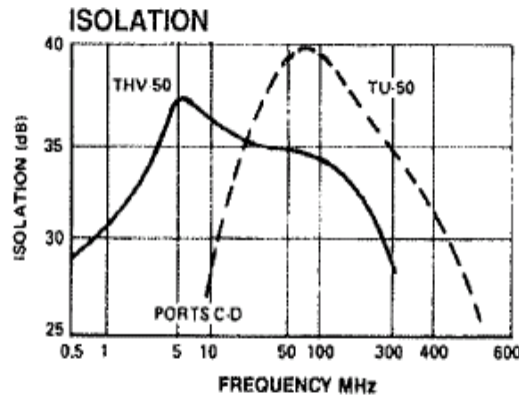
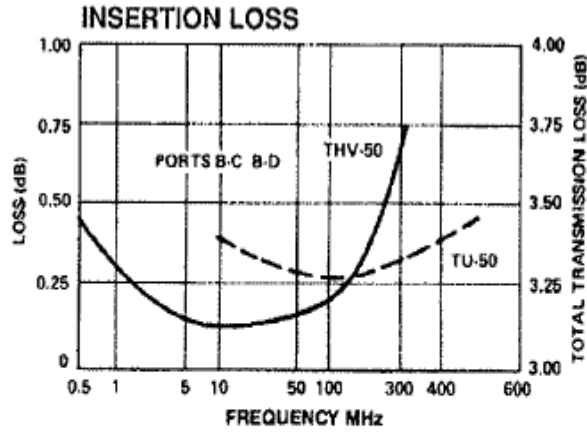
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2 - 200 MHz and 20 - 400 MHz

Rev. V2

Typical Performance Curves



Ordering Information

| Part Number | 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 |