PMI offers a full line of RF and Microwave, Solid-State Switches that range from DC to 50 GHz. Wide range of standard models with various options are available that include:

- SPST to SP8T Configurations.
- Hermetic Sealing is available.
- Military or Stringent Screening is available.
- High Reliability to MIL-STD-883.
- Small Quantity Requirements accepted.
- Specialized Testing & Custom designs welcome!

New designs operate from 0.1 to 50.0 GHz and feature low insertion loss and high resolution in a slimline package with 2.4mm female connectors. These modules incorporate a TTL compatible driver for ease of system integration.

**Model P2T-100M50G-100-T**
Absorptive, SP2T PIN Diode Switch

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Insertion Loss (Measured)</th>
<th>VSWR ON/OFF (Typ)</th>
<th>Isolation (Measured)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1 to 1.0 GHz</td>
<td>1.5 dB</td>
<td>1.76:1</td>
<td>103.7 dB</td>
</tr>
<tr>
<td>1 to 18 GHz</td>
<td>3.0 dB</td>
<td>1.85:1</td>
<td>107.8 dB</td>
</tr>
<tr>
<td>18 to 40 GHz</td>
<td>5.2 dB</td>
<td>1.96:1</td>
<td>90.8 dB</td>
</tr>
<tr>
<td>40 to 50 GHz</td>
<td>9.1 dB</td>
<td>2.54:1</td>
<td>95.9 dB</td>
</tr>
</tbody>
</table>

- Package Size: 1.0”x0.75”x0.40”
- DC Voltage: +/-5 V @ 100 mA
- Switching Speed: 50 ns Max

**Model P4T-100M50G-100-T-RD**
Absorptive, SP4T PIN Diode Switch

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Insertion Loss (Measured)</th>
<th>VSWR ON/OFF (Typ)</th>
<th>Isolation (Measured)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1 to 1.0 GHz</td>
<td>1.7 dB</td>
<td>1.70:1</td>
<td>109.9 dB</td>
</tr>
<tr>
<td>1 to 18 GHz</td>
<td>3.5 dB</td>
<td>1.96:1</td>
<td>112.0 dB</td>
</tr>
<tr>
<td>18 to 40 GHz</td>
<td>6.7 dB</td>
<td>2.24:1</td>
<td>98.2 dB</td>
</tr>
<tr>
<td>40 to 50 GHz</td>
<td>11.4 dB</td>
<td>2.67:1</td>
<td>82.1 dB</td>
</tr>
</tbody>
</table>

- Package Size: 1.25”x1.25”x0.40”
- DC Voltage: +/-5 V @ 200 mA
- Switching Speed: 50 ns Max

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**West Coast Operation:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 USA
Tel: 916-542-1401
Fax: 916-265-2597

**East Coast Operation:**
7311-F Grove Road
Frederick, MD 21704 USA
Tel: 301-662-5019
Fax: 301-662-1731

sales@pmi-rf.com  •  www.pmi-rf.com
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