## SUMMARY TEST DATA ON LM-18G40G-SMT-1

**Customer:**
- PL17421 (Unit 5)

**Model No:** LM-18G40G-SMT-1

**SO No:** PL17421 (Unit 5)

**Serial No:** PL17421 (Unit 5)

**Drawing No:** 27625083

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<table>
<thead>
<tr>
<th>TEST ITEM NO</th>
<th>PARAMETERS</th>
<th>SPECIFIED VALUE</th>
<th>TEST RESULTS</th>
<th>QA QC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Frequency Range:</td>
<td>18 GHz to 40 GHz</td>
<td>18 GHz to 40 GHz</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Insertion Loss:</td>
<td>4.0 dB Max.</td>
<td>3.86 dB</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Peak Power:</td>
<td>20 Watts (43 dBm)</td>
<td>20 Watts</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Pulse Width:</td>
<td>440 to 670 ns</td>
<td>440 to 670 ns</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>PRF:</td>
<td>600 to 900 kHz</td>
<td>600 to 900 kHz</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Duty Cycle:</td>
<td>40%</td>
<td>40%</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Leakage Power:</td>
<td>+14 dBm Typ.</td>
<td>14 dBm</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>1 dB Recovery Time:</td>
<td>250 ns Max.</td>
<td>&lt; 250 ns</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>VSWR:</td>
<td>2.0:1</td>
<td>1.97:1 (Input)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.96:1 (Output)</td>
<td></td>
</tr>
</tbody>
</table>

**QA/QC Approval:**

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Email: sales@pmi-rf.com
## SUMMARY TEST DATA
ON
LM-18G40G-SMT-1

### SWEPT PLOT

<table>
<thead>
<tr>
<th>Channel 1</th>
<th>Start Frequency</th>
<th>Tr 1</th>
<th>Tr 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>S21 LogM 10.00dB/ 0.00dB</td>
<td>18.000000000 GHz</td>
<td>S11 LogM 5.000dB/ 0.00dB</td>
<td></td>
</tr>
<tr>
<td>S22 LogM 5.000dB/ 0.00dB</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Frequency Points:**

- Tr 1:
  - 1: 39.835 GHz, -3.86 dB
  - 2: 27.405 GHz, 0.35 dB
  - > 1: 38.855 GHz, -9.71 dB
  - 1: 22.235 GHz, -9.74 dB

**Graph:**

- Filtered data points for Tr 1 and Tr 2 over the frequency range of 18.0000 GHz to 40.0000 GHz.