# SUMMARY TEST DATA

## ON

LM-2G18G-18-20W-1KWP-SFF

<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>2.0 to 18.0 GHz</td>
<td>2.0 to 18.0 GHz</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>RF Input Power:</td>
<td>+43 dBm CW Maximum</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Peak Input Power:</td>
<td>+50 dBm Maximum @10% Duty Cycle &amp; 40µs Pulse Width</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Limiting Threshold (P1dB):</td>
<td>+5 dBm Minimum</td>
<td>&gt; 5 dBm</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>RF Leakage:</td>
<td>+18 dBm Flat &amp; Spike Maximum</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Recovery Time:</td>
<td>100 ns Maximum</td>
<td>&lt;100 ns</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Insertion Loss:</td>
<td>2.6 dB Maximum @@-10 dBm Input Power)</td>
<td>1.66 dB</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>VSWR:</td>
<td>2.0:1 Maximum (Input/Output) @@-10 dBm Input Power)</td>
<td>1.87:1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Insertion Phase:</td>
<td>Measured at an Input Power Level of 0 dBm. Will be within ±2.0 Degrees relative to the Phase Measured at Input Power Levels less than or equal to 0 dBm</td>
<td>±0.86 Degrees See Plot</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Mechanical Outline:</td>
<td>See Outline Drawing Pass / Fail</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Weight:</td>
<td>3.0 OZ Maximum</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Seal</td>
<td>See Attached Seal Data Pass / Fail FINE LEAK: 1 X 10^-6 ATM-cc/sec</td>
<td>Pass</td>
<td></td>
</tr>
</tbody>
</table>

QA/QC Approval: [Signature]

Date: [Signature]
LIMITING

Input Power (dBm)

Output Power (dBm)

-2.6 -2.4 -2.2 -2 -1.8 -1.6 -1.4 -1.2 -1 -0.8 -0.6 -0.4 -0.2 0 2 4 6 8 10 12 14 16 18 20

Frequency (GHz)

-2.6 -2.1 -1.6 -1.1 -0.6 -0.1 0

Insertion Loss

Input Power (dBm)

Output Power (dBm)

-2.6 -2.1 -1.6 -1.1 -0.6 -0.1 0

Frequency (GHz)

-2.6 -2.1 -1.6 -1.1 -0.6 -0.1 0

VSWR

Input Power (dBm)

Output Power (dBm)

1 1.2 1.4 1.6 1.8 2

Frequency (GHz)

1 1.2 1.4 1.6 1.8 2

Insertion Phase

Input Power (dBm)

Output Power (dBm)

-2 -1.5 -1 -0.5 0 0.5 1 1.5 2

Frequency (GHz)

-2 -1.5 -1 -0.5 0 0.5 1 1.5 2

PMI

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ON
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PL29024/2019

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