# SUMMARY TEST DATA
ON
LM-1G18G-16-4W-SMF

Customer:
SO No:
Model No: LM-1G18G-16-4W-SMF
Serial No: PL27462/2002

Tested By: B. Slack
Temperature: +25°C
Date: 1/10/2020
Drawing No: 27634041

## TEST ITEM NO.

<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>1.0 to 18.0 GHz</td>
<td>1.0 to 18.0 GHz</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Insertion Loss:</td>
<td>2.3 dB Max.</td>
<td>2.08 dB</td>
<td>See Plot</td>
</tr>
<tr>
<td></td>
<td>@ -10 dBm Input Power</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Leakage Power:</td>
<td>40 mW Max.</td>
<td>Pass</td>
<td>See Typical Characteristics</td>
</tr>
<tr>
<td>4</td>
<td>Spike Leakage:</td>
<td>0.1 erg. Max.</td>
<td>Pass</td>
<td>See Typical Characteristics</td>
</tr>
<tr>
<td>5</td>
<td>Recovery Time:</td>
<td>250 ns Max.</td>
<td>Pass</td>
<td>See Typical Characteristics</td>
</tr>
<tr>
<td></td>
<td>@ 1000 W Peak Power</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>VSWR:</td>
<td>2.0:1 Max.</td>
<td>1.9:1</td>
<td>See Plot</td>
</tr>
<tr>
<td></td>
<td>@ -10 dBm Input Power</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>RF Power Handling:</td>
<td>4 W CW Max.</td>
<td>Pass</td>
<td>See Typical Characteristics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 W Peak Min. (1 μs PW, 0.1% DC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Limiting Threshold:</td>
<td>+5 dBm Min. (1 dB Compression)</td>
<td>+9 dBm</td>
<td>See Plot</td>
</tr>
</tbody>
</table>

QA/QC Approval: [Signature]

Date: 1/14/2020
SUMMARY TEST DATA
ON
LM-1G18G-16-4W-SMF

Insertion Loss

Frequency (GHz)

Loss (dB)

-2.3  -1.9  -1.5  -1.1  -0.7  -0.3

VSWR

Frequency (GHz)

VSWR

0  0.2  0.4  0.6  0.8  1  1.2  1.4  1.6  1.8  2

Limiter Response with Frequency

Output Power (dBm)

-12 -8 -4 0 4 8 12

Input Power (dBm)

-10 -5 0 5 10 15 20

4 GHz
4.8 GHz
5.6 GHz
6.4 GHz
7.2 GHz
8 GHz
1 dB Compression

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