PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-6G18G-15-10W-SFF IS A HIGH POWER LIMITER THAT WORKS FROM 6 GHz TO 18.0 GHz THAT HANDLES 10 WATTS CW POWER. THE LEAKAGE POWER IS +15dBm TYPICAL.

January 03, 2017

Designed By: PMI Engineering

Tested & Reported By:
Harold Holvik
Sebastian Palacio
TYPICAL CHARACTERISTICS ON LM-6G18G-15-10W-SFF

DESCRIPTION:
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-6G18G-15-10W-SFF IS A HIGH POWER LIMITER THAT WORKS FROM 6 GHz TO 18.0 GHz THAT HANDLES 10 WATTS CW POWER. THE LEAKAGE POWER IS ±15 dBm TYPICAL.

SPECIFICATIONS:
- FREQUENCY: 6 TO 18.0 GHz
- INSERTION LOSS: 2.5 dB (TYPICAL) @ 18 GHz
- PEAK POWER: 10 WATTS CW
- LEAKAGE POWER: ±15 dBm TYPICAL
- CONNECTORS: SMA FEMALE (INPUT AND OUTPUT)
- SIZE: 1.00 X 1.00 X 0.50 in (h)
- WEIGHT: 1.5 GZ TYPICAL
- FINISH: GRAY EPOXY POLYIMIDE COATING IAW MIL-C-23710, TYPE I OVER EPOXY POLYIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS:
- TEMPERATURE: -55°C TO +85°C (OPERATING)
- HUMIDITY: -55°C TO +122°C (STORAGE)
- SHOCKS: MIL-STD-202F, METHOD 103B, CONDITION B
- VIBRATION: MIL-STD-202F, METHOD 2040, CONDITION B
- ELECTRICAL: MIL-STD-202F, METHOD 105C, CONDITION B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 1070, CONDITION A

All dimensions are in inches. Whatever specifications are subject to change or revision.

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
WEBSITE: WWW.PMI-RF.COM
EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED
<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>6 GHz to 18 GHz</td>
<td>6 GHz to 18 GHz See Plot</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Insertion Loss @ 0 dBm Input:</td>
<td>2.5 dB Typ.</td>
<td>1.71 dB See Plot</td>
<td></td>
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<tr>
<td>3</td>
<td>Return Loss:</td>
<td>Not Specified</td>
<td>11.77 dB See Plot</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Recovery Time:</td>
<td>Not Specified</td>
<td>12.2 ns See Plot</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Rise Time</td>
<td>Not Specified</td>
<td>7.12 ns See Plot</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Peak Power</td>
<td>10 Watts CW</td>
<td>Pass See Graph</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Leakage Power</td>
<td>+15dBm Typ.</td>
<td>12.5 dBm See Graph</td>
<td></td>
</tr>
</tbody>
</table>
TYPICAL CHARACTERISTICS
ON
LM-6G18G-15-10W-SFF

Insertion Loss S21 (0 dBm Input)

Return Loss S11 & S22 (0 dBm Input)
TYPICAL CHARACTERISTICS
ON
LM-6G18G-15-10W-SFF
TYPICAL CHARACTERISTICS ON LM-6G18G-15-10W-SFF
TYPICAL CHARACTERISTICS ON
LM-6G18G-15-10W-SFF

Recovery Time

*Measured using a negative output detector
Rise Time

*Measured using a negative output detector