Typical Characteristics
On
LM-8G18G-7-33DBM-12V

8-18GHz State of the Art Active Limiter

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Tested & Reported by: Kevin Mason
Typical Characteristics
On
LM-8G18G-7-33DBM-12V

Environmental Ratings:
Note: The above specifications are subject to change or revision.

Specifications:
- Frequency: 8.0 to 18.0 GHz
- Insertion Loss: 2.0 dB Max.
- Maximum Input Power: +30 dBm CW
- Output Leakage Power: +2.0 dBm Max.
- DC Supply: +12VDC @ 100mA Max.
- Connectors: SMA(F)

Description:
8.0 to 18.0GHz Active Limiter Meeting The Following Specifications:

Mechanical Outline

Functional Block Diagram

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Email: sales@pmi-rf.com
## Typical Characteristics

On

LM-8G18G-7-33DBM-12V

<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>8.0 to 18.0 GHz</td>
<td>8.0 to 18.0 GHz</td>
<td></td>
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<tr>
<td>2</td>
<td>Insertion Loss:</td>
<td>2.0dB Max</td>
<td>0.70dB Gain (See Plot)</td>
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<tr>
<td>3</td>
<td>Max Input Power:</td>
<td>+33dBm CW</td>
<td>Pass</td>
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<td>4</td>
<td>Output Leakage Power:</td>
<td>+7.1dBm Max</td>
<td>6.36dBm Max.</td>
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<td>5</td>
<td>VSWR:</td>
<td>2.0:1 Max</td>
<td>Pass (See Plot)</td>
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<td>6</td>
<td>DC Supply:</td>
<td>+12VDC @ 100mA Typ</td>
<td>64mA</td>
<td></td>
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</table>
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Insertion Loss & Return Loss
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Input Power vs. Output Power

LIMITER RESPONSE WITH FREQUENCY

OUTPUT POWER (dBm)

RF INPUT POWER (dBm)