10GHz State of the Art Active Limiter

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Typical Characteristics
On
LM-10G-3-26DBM-12V

Environmental Specifications:
- Frequency: 10.0 GHz
- Insertion Loss: 40dB Typ.
- Input Power: 0dBm Typ., 30dBm Max.
- Output Power: 20W Max.
- DC Supply: +12VDC @ 100mA

Description:
10GHz Active Limiter Meeting The Following Specifications:
- Functional Block Diagram
- Mechanical Outline

Note: The above specifications are subject to change or revision.
## Typical Characteristics

**On**

**LM-10G-3-26DBM-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:</td>
<td>10GHz</td>
<td>10GHz See Plot</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Insertion Loss:</td>
<td>4dB Typ.</td>
<td>4.64dB See Plot</td>
<td></td>
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<tr>
<td>3</td>
<td>Input Power:</td>
<td>-45 to +26 dBm CW</td>
<td>-45 to +26dBm See Graph</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Output Leakage Power:</td>
<td>0dBm Typ. +3dBm Max.</td>
<td>-1.7dBm Max. See Graph</td>
<td></td>
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<tr>
<td>5</td>
<td>VSWR:</td>
<td>2.0:1 Max.</td>
<td>Input 1.32:1 Output 1.14:1 See Plot</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>DC Supply:</td>
<td>+12V @ 100mA Max.</td>
<td>94mA @ +12V</td>
<td></td>
</tr>
</tbody>
</table>
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On
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Insertion Loss & Return Loss
Typical Characteristics
On
LM-10G-3-26DBM-12V

Input Power vs. Output Power

LIMITER RESPONSE WITH FREQUENCY

RF INPUT POWER (dBm)

OUTPUT POWER (dBm)