Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED
**KHPA-0618 100W**

6-18 GHz 100 Watt Amplifier

**Typical Applications**
- Commercial Radar
- Military Radar
- Electronic Warfare
- Test Equipment

**Features**
- Highest Power
- Smallest Footprint
- Lightest Weight

**General Description**
The KHPA-0618 100W is a high power rack mounted microwave amplifier that covers a 12 GHz range in the 6-18 GHz band. The KHPA-0618 provides an output of 100 watts. A number of options are available depending on customer requirements. TTL Local/Remote switching is provided as an option.

Small and rugged, the KHPA-0618 100W is ideal for replacement of TWT amplifiers – offering up to 30 dB improvement in noise and very short group delay characteristics. A small footprint and low power consumption make it excellent for mounting at the antenna or load, and no warm-up time is required, providing instant power-up.

**Table 1. Specifications**

<table>
<thead>
<tr>
<th>Input Power</th>
<th>48VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Output Specifications [ @ 25° C ]</strong></td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>6 - 18 GHz</td>
</tr>
<tr>
<td>Saturated Power Output</td>
<td>100 Watts TYP</td>
</tr>
<tr>
<td>Gain</td>
<td>60 dB TYP</td>
</tr>
<tr>
<td>Noise Figure</td>
<td>5 dB TYP</td>
</tr>
<tr>
<td>In/Out VSWR</td>
<td>&lt;2:1 TYP</td>
</tr>
<tr>
<td>In/Out Impedance</td>
<td>50 Ω</td>
</tr>
<tr>
<td>Local/Remote</td>
<td>TTL</td>
</tr>
</tbody>
</table>

**Connectors**
- RF In/Out: “N” Female

**Mechanical**
- Compact Copper Chassis
- Chassis Grounded

**Environmental**
- Operating Temperature: -40° to 50° C
- Storage Temperature: -40° to 50° C
- Relative Humidity: 5 to 95% non-condensing

**MTBF**
- 200,000 hours