Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED
**Typical Applications**
- Commercial Radar
- Military Radar
- Electronic Warfare
- Test Equipment

**Solid State High Power Amplifier**

**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>
</tr>
</thead>
<tbody>
<tr>
<td>DC Power</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Output Specifications [ @ 25º C ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
</tr>
<tr>
<td>Saturated Power Output</td>
</tr>
<tr>
<td>Gain</td>
</tr>
<tr>
<td>Noise Figure</td>
</tr>
<tr>
<td>In/Out VSWR</td>
</tr>
<tr>
<td>In/Out Impedance</td>
</tr>
<tr>
<td>Local/Remote</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF In/Out</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact Copper Chassis</td>
</tr>
<tr>
<td>Chassis Grounded</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
</tr>
<tr>
<td>Storage Temperature</td>
</tr>
<tr>
<td>Relative Humidity:</td>
</tr>
</tbody>
</table>

**MTBF**
200,000 hours

The information provided in this document is for a product controlled by the International Traffic in Arms Regulations (ITAR). This product cannot be shipped outside of the United States without a U.S. Department of State export license.

For price, delivery and to place orders: Analog Devices, Inc., One Technology Way, Norwood, MA 02062
978-250-3343 tel • 978-250-3373 fax • Order On-line at www.analog.com/hittitemw
Application Support: Phone: 978-250-3343 or RFMG-apps@analog.com