

Analog Devices Welcomes Hittite Microwave Corporation

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**6-18 GHz, 100W AMPLIFIER
 Rack Mounted**
Typical Applications

- Commercial Radar
- Military Radar
- Electronic Warfare
- Test Equipment

**Solid State Rack Mounted
 High Power Amplifier**


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.

Features

- Highest Power
- Smallest Footprint
- Lightest Weight

General Description

The KHPA-0618 100WR 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.

Table 1. Specifications

Input Power	
AC Power 110/240VAC	
Frequency 50/60 Hz	
Output Specifications [@ 25° C]	
Frequency Range	6 - 18 GHz
Saturated Power Output	100 Watts TYP
Gain	60 dB Min
Noise Figure	5 dB Typical
In/Out VSWR	<2:1 Typical
In/Out Impedance	50 Ω
Local/ Remote	TTL
Connectors	
RF (In / Out) "N" Female	
Mechanical	
5U Aluminum Chassis (19" rack mount)	
19" wide, 10.5" High, 17.7" Depth	
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	