

Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED

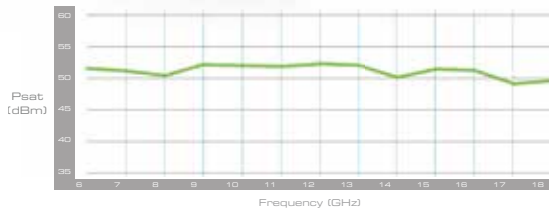


THIS PAGE INTENTIONALLY LEFT BLANK

Typical Applications

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

Solid State 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 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

Input Power	
DC Power	48VDC
Output Specifications [@ 25° C]	
Frequency Range	6 -18 GHz
Saturated Power Output	100 Watts TYP
Gain	60 dB TYP
Noise Figure	5 dB TYP
In/Out VSWR	<2:1 TYP
In/Out Impedance	50 Ω
Local/Remote	TTL
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	