



Analog Devices Welcomes Hittite Microwave Corporation

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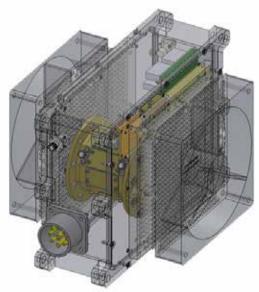
KHPA-0618 30WA

6-18 GHz 30 Watt SSPA

Typical Applications

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

High Efficiency Solid State Power Amplifier



Shown with optional cooling heatsinks and fans.

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 30WA is a unique combination of size, power, and value. The KHPA-0618 is a high power solid-state microwave amplifier featuring our dodecahedron in a compact housing. This amplifier will provide a saturated output of 30 watts and can be configured for pulse capability. Power sequencing, remote inhibit, and a TTL level power supply state monitor are also provided. Depending on customer requirements additional options are available.

Table 1. Specifications

Input Power	
DC Power	48VDC (28V opt)
Efficiency	22.5%
Output Specifications [@ 25° C]	
Frequency Range	6.0-18 GHz
Saturated Power Output	5 dBm Typical
Small Signal Gain Flatness	± 3.0
In/Out VSWR	1.5:1
Out of Band Spurious Noise	
Gain Stability Over Temp	-2.8 dB
	+2.5 dBm Max
Stability	Unconditional (Stable
	under any load)
Connectors	
RF Input	SMA Female
RF Output	"N" Female
Mechanical	
Compact Copper Chassis Chassis Grounded	
Conduction Cooling (heatsinks and fans optional)	
Environmental	
Operating Temperature	-20º to 75º C
Storage Temperature	-40º to 50º C
Relative Humidity	5 to 95% non-condensing
MTBF	
200,000 hours	

For price, delivery and to place orders: Hittite Microwave Corporation, 2 Elizabeth Drive, Chelmsford, MA 01824 978-250-3343 tel • 978-250-3373 fax • Order On-line at www.hittite.com Application Support: Phone: 978-250-3343 or apps@hittite.com