

This product data sheet does not contain ITAR-controlled technical data because the information is basic marketing information and general system descriptions that do not meet the ITAR definition of technical data.

Typical Applications

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

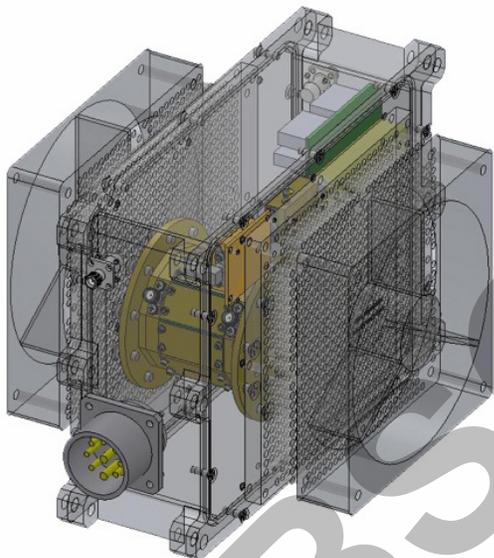
Features

- 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.

High Efficiency Solid State Power Amplifier



Shown with optional cooling heatsinks and fans.

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	-70.0 dBc Max
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	-20° to 75° C
Storage Temperature	-40° to 50° C
Relative Humidity	5 to 95% non-condensing
MTBF	
200,000 hours	

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