

Analog Devices Welcomes Hittite Microwave Corporation

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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-0206 100WR is a high power rack mounted microwave amplifier that covers a 4 GHz range in the 2-6 GHz band. The amplifier provides an output of 100 watts TYP. A number of options are available depending on customer requirements. TTL Local/Remote switching is provided as an option. 200W and 300W versions available.

Table 1. Specifications

Input Power	
AC Power	110/240VAC
Frequency	50/60 Hz
Output Specifications [@ 25° C]	
Frequency Range	2-6 GHz
Saturated Power Output	100W TYP
Gain	60 dB Min
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	
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	