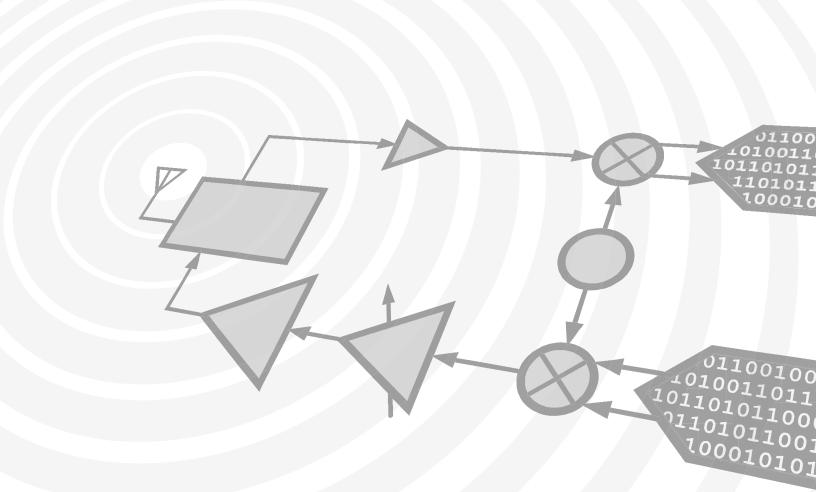
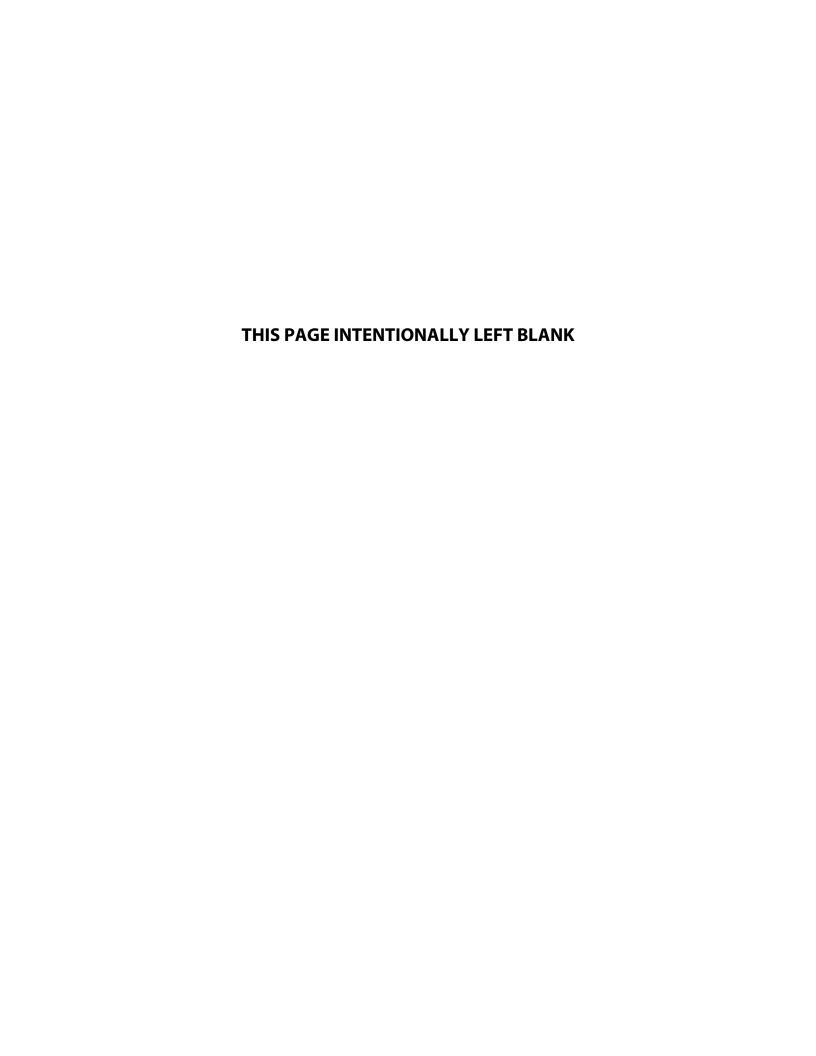




Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED







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]

 $\begin{array}{lll} \mbox{Frequency Range} & 6 - 18 \mbox{ GHz} \\ \mbox{Saturated Power Output} & 100 \mbox{ Watts TYP} \\ \mbox{Gain} & 60 \mbox{ dB Min} \\ \mbox{Noise Figure} & 5 \mbox{ dB Typical} \\ \mbox{In/Out VSWR} & <2:1 \mbox{ Typical} \\ \mbox{In/Out Impedance} & 50 \mbox{ }\Omega \\ \mbox{Local/ Remote} & TTL \end{array}$

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