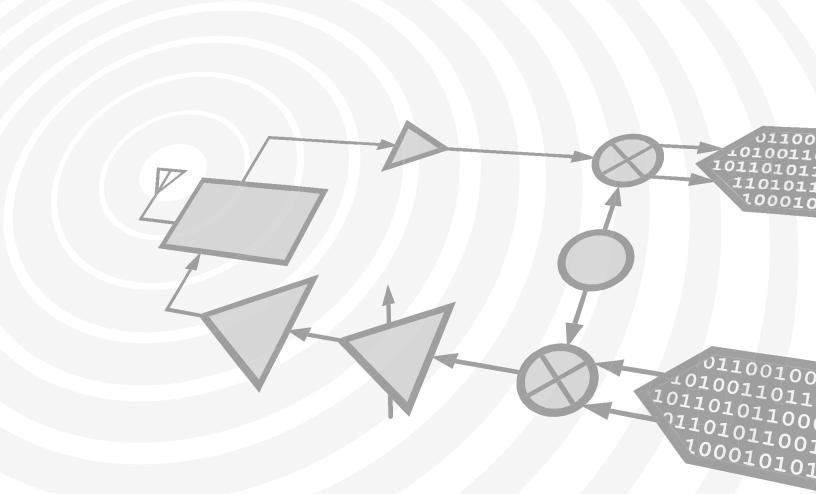




Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED







2-18 GHz 50W Amplifier

Typical Applications

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

50 Watt Solid State 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-0218 50WA is a high power solid-state microwave amplifier featuring our dodecahedron in a compact housing. This amplifier will provide a saturated output of 50W 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	
-	40)/DC (20)/
DC Power	48VDC (28V opt)
Output Specifications [@ 25° C]	
Frequency Range Saturated Power Output Noise Figure In/Out VSWR Out of Band Spurious Noise Gain Stability Over Temp Stability	2.0-18 GHz 47 dBm Typical 5 dB Typical 1.5:1 -70.0 dBc Max -2.5 dB Unconditional (Stable under any load)
Connectors	
RF Input RF Output	SMA Female "N" Female
Mechanical	
Compact Copper Chassis Chassis Grounded Conduction Cooling [heatsinks and fans optional]	
Environmental	
Operating Temperature Storage Temperature Relative Humidity	-20° to 75° C -40° to 50° C 5 to 95% non-condensing
MTBF	
200,000 hours	