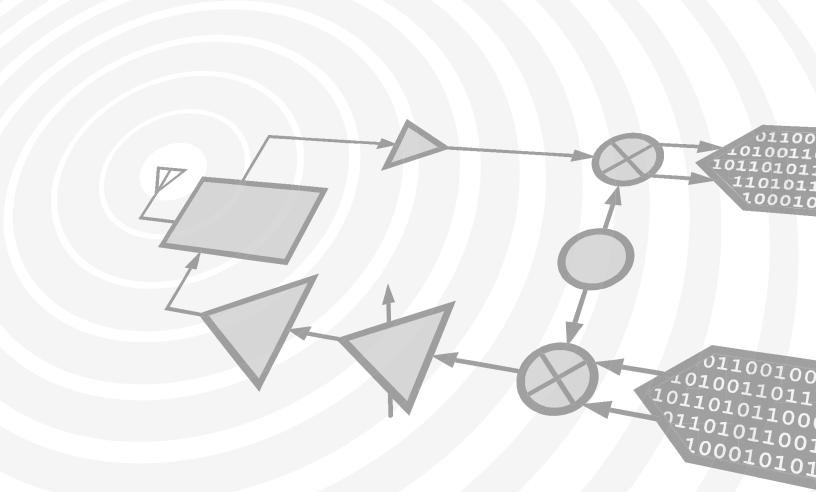




Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED







KHPA0608-XXXWP

02 0/15

500/1000/2000W C-BAND PULSED AMPLIFIER

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

Solid State Microwave Power Modules



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

High power in a small package, our Dodecahedron package (DDH) is designed to pack a considerable amount of power in a small footprint plus cover a wide bandwidth. Only 2.3" x 2.5" dia., these DDHs are modular so that they can be combined. One DDH will provide 500W, two DDHs will provide 1000W and four DDHs will provide 2000W pulsed output in the C-band.

Table 1. Specifications

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Input Power	
DC Power Efficiency	48 VDC (28V opt) 22.5%
Output Specifications [@ 25° C]	
Frequency Range Power Output (Saturated)	6.0 -8.0 GHz 500/1000/2000 W [1 / 2 / 4 DDHs]
Rise / Fall Time Pulse Width	200 nsec Max .05 to 100 msec
Duty Cycle In/Out VSWR	20 % 1.5:1
Out of Band Spurious Noise 2nd Harmonic	-70.0 dBc Max -40.0 dBc Max
Connectors	
RF Input RF Output	SMA Female "N" Female
Mechanical	
Compact Aluminum or 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	