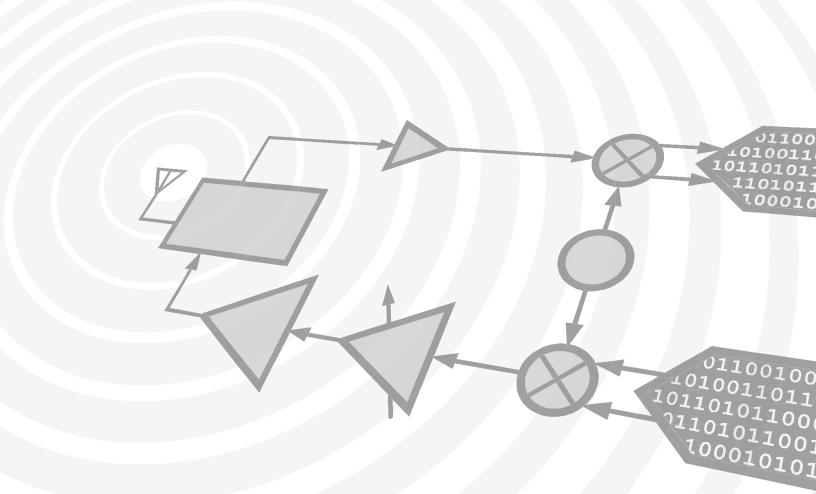




Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED







500/1000/2000W C-BAND PULSED AMPLIFIER

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

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