



# AMP4030 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Rack mounted system for easy installation
- Designed for S-Band applications
- High power Class AB solid-state devices
- Suitable for high power CW applications
- Built-in protection circuits
- High efficiency, reliability and ruggedness

## ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	3.1 - 3.5 GHz	
Output Power @ Psat	1000 Watt Min	CW
Power Gain	60 dB Min	
Power Gain Flatness	2.0 dB p-p Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
Harmonics	<30 dBc	At rated output
Spurious	<60 dBc	Non Harmonics
Operating Voltage	180 - 260 VAC, 47 - 63 Hz	Single phase
Power Consumption	6 KW Max	At rated Pout
Max Input Power	+8 dBm	Without damage
Load VSWR Protection	10 : 1 Max	

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	6U Rack Mount Chassis	See outline drawing
Weight	TBD	
RF Connectors In/Out	Type N Female / 7/16 DIN	Rear panel
Cooling	Built in forced air	
Alarm & Monitoring Connector	9 Pin D-Sub	
<b>OPTIONAL:</b> Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, GPIB Interface	Remote Bluetooth application

## ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-20 to +70°C	
Relative Humidity	95% @ 40°C	Non Condensing
Shock & Vibrations	MIL STD 810E	



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## OUTLINE DRAWING

