

# AMP4008 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

Designed for high power UHF applications  
 Class AB linear LDMOS design  
 Instantaneous bandwidth  
 Suitable for all modulations standards  
 Rack mounted system  
 Built-in protection circuits  
 High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	300 - 500 MHz	
Power Output	250 Watt Min	CW
Power Gain	54 dB Min	
Power Gain Flatness	2.0 dB p-p Max	Constant input power
Gain Variation Over Temperature	±2.0 dB Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	44dBm/Tone, Δ = 1MHz
Harmonics	>20 dBc Typ	At rated output power
Non Harmonics Spurious	>60 dBc	
Operating Voltage	100 - 240 VAC	
Power Consumption	1000 Watt Max	At rated Pout
Max Input Power	+10 dBm	Without damage
Load VSWR Protection	∞ : 1	

## ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensing

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133.3 x 560 mm	3U
Weight	20 kg.	
RF Connectors In / Out	Type-N Female	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
<b>OPTION:</b> Digital LCD Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	1 Ethernet RJ-45 circular connector TCP/IP 1 RS422/485 D-dub 9S port for redundancy	Remote Bluetooth application
Cooling	Built in Fan Cooling	Variable speed

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## OUTLINE DRAWING

