



AMP2011 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system
- Class AB linear LDMOS design
- Instantaneous wide bandwidth
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	20 - 100 MHz	
Power Output	200 Watt Min	CW
Power Gain	53 dB Min	
Power Gain Flatness	3.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	<-30 dBc Typ	43dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	<-20 dBc Typ	At rated output
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	1000 Watt	At rated Pout
Input Power protection	+8 dBm Max	<10 Sec without damage
Load VSWR Protection	$\infty : 1$	<1 Minute @ rated Pout

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 x 560 mm	3U - Excluding handles
Weight	20 Kg. Max	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Optional Remote Bluetooth application

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OUTLINE DRAWING

