

AMP2135B SOLID STATE HIGH POWER AMPLIFIER



FEATURES

Class AB linear LDMOS design
 Instantaneous ultra-wide bandwidth
 Rack mounted system
 Designed for broadband EMI/RFI, Lab, BCI applications
 Suitable for all single channel modulation standards
 Built-in protection circuits
 High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	10 KHz - 400 MHz	
Power Output @ Psat	300 Watt Min	CW
Power Output @ P1dB	200 Watt Min / 250 Watt Typ	
Power Gain	55 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	<-30 dBc Typ	45 dBm/Tone, $\Delta = 1$ MHz
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	
Power Consumption	2000 Watt Max	At rated Pout
Input Power Protection	+5 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at 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 355 x 560 mm	8U excluding handles
Weight	40 Kg. Typ	
RF Connectors In/Out	Type-N Female	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, USB, RS422/485 Optional GPIB Interface	

AMP2135B SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWING - SHOWN WITH LCD CONTROLLER OPTION

