



# AMP2143-H SOLID STATE HIGH POWER AMPLIFIER



## FEATURES

- Class AB linear push-pull MOSFET design
- RF frequency, low harmonics, instantaneous wide band
- Rack mounted system
- Suitable for all single channel modulation standards
- Built-in control, monitoring and protection circuits
- High reliability and ruggedness

## ELECTRICAL SPECIFICATIONS@ 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	1.0 - 10.0 MHz	Instantaneous
Power Output@ Psat	1000 Watt Min	CW
Power Output @ P1dB	800 Watt Min	
Power Gain	60 dB Min	0dBm for normal operation
Gain Flatness	3 dB p-p Max	
Input Return Loss	-10 dB Max	
Harmonics 2nd /3rd	-30 dBc Max	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	
Power Consumption	5 KW Max	At rated Pout
Input Overdrive Protection	+5 dBm Max	<10Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at rated Pout

## ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +45 °C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	19 x 14 x 25 inch (483 x 356 x 635 mm)	8U Excluding handles
Weight	40 Kg Max	
RF Connectors In/Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in cooling fans	
<b>OPTION:</b> Digital Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	

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## OUTLINE DRAWING

