



# AMP6005 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Rack mounted system
- Class AB linear GaN hybrid design
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness
- Local and remote microprocessor controller



## ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	10 GHz $\pm$ 0.25 GHz	
Power Output @ Psat	150 Watt Min	CW
Power Gain	52 dB Min	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	42dBm/Tone, $\Delta$ = 1MHz
Harmonics	-30 dBc Min	At rated Pout
Non Harmonics Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	950 Watt Max	At rated Pout
Max Input Power	+5 dBm	<10 Seconds without damage
Load VSWR Protection	5 : 1	<1 Minute @ rated output

## ENVIRONMENTAL CHARACTERISTICS

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

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U
Weight	20 kg. Max	
RF Connectors In/Out	SMA female / Waveguide	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
<b>OPTIONAL:</b> Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	Remote Bluetooth application

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## OUTLINE DRAWING

