

AMP6025 SOLID STATE HIGH POWER AMPLIFIER



FEATURES

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

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	2.7 - 2.9 GHz	
Power Output @ Psat	200 Watt Min	CW
Power Output @ P1dB G.C.P.	150 Watt Typ	
Power Gain	53 dB Min	
Power Gain Flatness	2 dB p-p Max	Constant input power
Input / Output Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Min	40dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	>20 dBc Typ	At rated output power
Non Harmonics Spurious	60dBc Min	
Operating Voltage	100 - 240 VAC	
Power Consumption	500 Watt	At rated Pout
Max Input Power	+8 dBm	<10 Sec without damage
Load VSWR Protection	5 : 1	<1 Min

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 - Without handles
Weight	20 kg.	
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	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485	

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OUTLINE DRAWING

