

AMP6006 SOLID STATE HIGH POWER AMPLIFIER



FEATURES

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

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	12.6428 GHz \pm 0.1 GHz	
Power Output @ Psat	80 Watt Min	CW
Power Gain	49 dB Min	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	39dBm/Tone, Δ = 1MHz
Harmonics	30 dBc Min	At rated Pout
Non Harmonics Spurious	60 dBc Min	Non Harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	800 Watt Max	At rated Pout
Max Input Power	+5 dBm	Without damage
Load VSWR Protection	5 : 1	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-20 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	
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, RS422/485, GPIB Interface	Remote Bluetooth application

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OUTLINE DRAWING

