



AMP4064 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system
- Designed for X-Band linear applications
- Class AB Solid-State linear hybrid design
- Instantaneous wide bandwidth
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	7.9 - 8.5 GHz	
Power Output @ Psat	>80 Watt Typ	CW
Power Output @ P1dB GCP	50 Watt Min	CW
Power Gain	47 dB Min	Gain adjust
Power Gain Flatness	2 dB p-p Max	Constant input power
Input / Output Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	37dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	-30 dBc Min	At rated output power
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	40VDC option available
Power Consumption	400 Watt Typ / 800 Watt Max	At rated Pout
Input Power Protection	+5 dBm Max	<10 Sec at without damage
Load VSWR Protection	5 : 1	Output isolator option available for Infinite VSWR at 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-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm (19 x 5.25x 22.05 inch)	3U - Without handles
Weight	20 kg.	
RF Connectors In / Out	Type-N Female (or WG output)	Front panel
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 Optional GPIB Interface	Remote Bluetooth application

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OUTLINE DRAWING

