



AMP4057P SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Small and light weight rack mounted chassis
 Class AB linear GaN hybrid design
 X-Band medium power pulse applications
 Built-in protection circuits
 Universal voltage AC power supply
 High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	8.5 - 10.5 GHz	
Power Output@ Peak Pulse	200 Watt Min	Peak pulse
Pulse Characteristics	Width	Max
	5 - 50 μ S	
Power Gain	53 dB Min	
Operating Input Power	0 dBm Nom	
Power Gain Flatness	2.0 dB p-p Max	1.0dB p-p over 500MHz BW
Gain Variation Over Temp	3.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
Harmonics	-20 dBc Typ	At rated Pout
Non-Harmonics Spurious	-60 dBc Max	Non-harmonics
Noise Figure	10 dB Max	
Operating Voltage	100 -240 VAC / 50 60 Hz	Optional :115 VAC / 400Hz
Power Consumption	450 Watt Max	At rated Pout
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at rated Pout
Muting Speed	2 μ S Max	TTL

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	Automatic shutdown
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing
Altitude	20,000 feet Min	

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U - Excluding handles
Weight	18 Kg. Nom	
RF Connectors In / Out / RF Sample	SMA (F) / Type N (F) / SMA (F)	
AC Power / Interface Connector	MIL-C-26482 / 9-Pin D-Sub	Can be customized
Cooling	Built in Fan Cooling	
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

