



AMP6041P SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Class AB linear LDMOS design
- Rack mounted system
- Designed for narrow band UHF high power pulse applications
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	434 MHz ±3 MHz	Nominal
Power Output Pulse	6.3 KW Min	Peak Pulse
Input Pulse Characteristics	Width	Typical values
	Duty Cycle	
	1.5 - 2 μSec	0.06 - 0.5 %
		400 - 2500 Hz
Power Gain	68 dB Min	
Input / Output Return Loss	-10 dB Max	Relative to 50 Ohm
Harmonics	-30 dBc Max	At rated output
Spurious	-60 dBc Max	Non-harmonic
Operating Voltage	100 - 240 VAC	
Power Consumption	800 Watt Avg Typ	At rated output
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	Optional Output Isolator

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 222 x 560 mm	5U excluding handles
Weight	35 Kg.	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / I/O Connector	MS3122E14-5P / 9-Pin D-Sub	Or equivalent
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, USB Optional GPIB Interface	Optional Remote Bluetooth application

Notes:

OUTLINE DRAWING - With Controller and Display Option

