



AMP4025P-3 SOLID STATE HIGH POWER PULSE AMPLIFIER

FEATURES

- Rack mounted system
- Class AB solid-state linear pulse design
- Suitable for S-Band high power pulse Applications
- Stand Alone Amplifier or high power TWT Driver
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification			Notes	
Operating Frequency	2.990 - 3.010 GHz				
Power Output	400 Watt Min			Peak Pulse	
Power Gain	56 dB Min				
Pulse Characteristics	Width	Duty	PRF	Rise/Fall	Drop
	1 - 100 μS	10 % Max	Up to 1.0KHz	<100 nS	<1 dB
Input Return Loss	-14 dB Max			Relative to 50 Ohm	
Output Power On/Off Ratio	-80 dB Max			TTL Gate Control	
Pulse to Pulse Amplitude stability	0.1 dB Typ				
Pulse Jitter	2 nS Max				
Harmonics	<-30 dBc Typ			At rated output power	
Operating Voltage	100 - 240 VAC				
Power Consumption	200 Watt Avg. Max			@ 10%	
Input Power Protection	+8 dBm Max			<10 Sec without damage	
Load VSWR Protection	∞ : 1			Auto shutdown @ >5:1	

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 133.3 x 560 mm	3U without handles
Weight	20 kg.	
RF Connectors In / Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
STANDARD: Digital Monitor & Control LCD: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB	Remote Bluetooth application

OUTLINE DRAWING

