



AMP4025P-2 SOLID STATE HIGH POWER PULSE AMPLIFIER

FEATURES

- Rack mounted system
- Class AB linear design
- Suitable for S-Band Pulse Application
- TWT Driver
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes
Operating Frequency	2.9 - 3.1. GHz			
Power Output	1700 Watt Min			Peak Pulse
Power Gain	62 dB Typ			Input Power 0.45-0.6W
Pulse Characteristics	Width	PRF	Droop	
	6.8 μ S	5000 KHz	<1 dB	
Pulse Rise / Fall Time	200 nS Max			
Pulse to Pulse Amplitude stability	0.1 dB			
Pulse Jitter	2 nS Max			
Input Return Loss	14 dB Min			Relative to 50 Ohm
Operating Voltage	100 - 240 VAC			60-400Hz
Power Consumption	600 Watt Avg			1.7KW Peak Pulse
Harmonics	<30 dBc Typ			
Load VSWR Protection	∞ : 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-condensation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133.3 x 560 mm (17 x 5.25 x 22 inch)	3U
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
Option: Digital Monitor & Control LCD: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	1 Ethernet RJ-45 circular connector TCP/IP 1 RS422/485 D-dub 9S port for redundancy	Remote Bluetooth application

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OUTLINE DRAWING

