



MODEL NUMBER:
SS3200M-CW500-P1000
 SOLID STATE HIGH POWER AMPLIFIER

FEATURES:

- ✓ **DESIGNED FOR HIGH POWER PULSE AND CW AUTOMOTIVE TESTING APPLICATIONS**
- ✓ **RACK MOUNTED SYSTEM**
- ✓ **CLASS AB LINEARGAN DESIGN**
- ✓ **INSTANTANEOUS WIDE BANDWIDTH**
- ✓ **BUILT-IN PROTECTION CIRCUITS**
- ✓ **HIGH RELIABILITY AND RUGGEDNESS**

ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION			NOTES	
Operating Frequency Range	0.8-3.2GHz				
Power Output@ Peak Pulse	1000WattMin			Pulse	
Pulse Characteristics	Width	Duty	PRF	Droop	
	100 μ S	10 %		<1 dB	
Power Output CW	500 Watt Min			CW	
Power Gain	60 dB Min				
Gain Adjustment Range	20 dB min				
Power Gain Flatness	3.0 dB p-p Max			Constant input power	
InputReturn Loss	-10 dB Max			Relative to 50 Ohm	
2-Tone Intermodulation (IMD)	<-30dBcTyp			47dBm/Tone, $\Delta = 1$ MHz	
Harmonics	<-20 dBc Typ			At rated output power	
Spurious	-60dBc Max			Non-harmonics	
Operating Voltage	180 - 240 VAC			50 - 60 Hz	
Power Consumption	3KW Max			At rated Pout	
Input Power	+5dBm Max			<10 Sec without damage	
Load VSWR Protection	$\infty : 1$			<1 minute at rated Pout	
Blanking Speed	5 μ S Max				

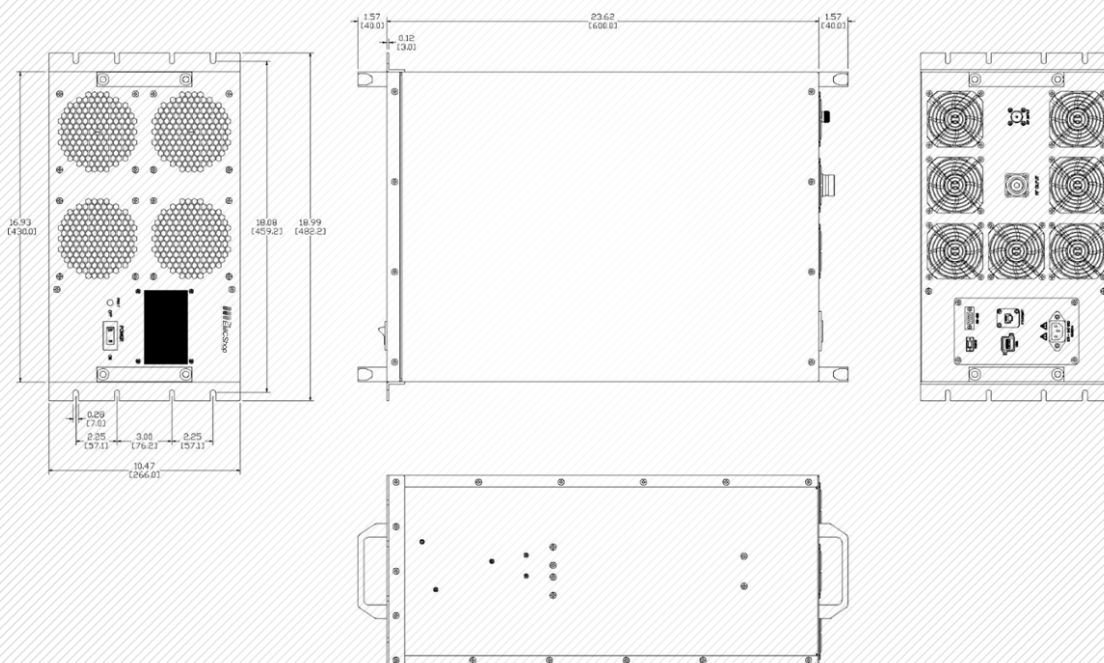
ENVIRONMENTAL CHARACTERISTICS

PARAMETER	SPECIFICATION	NOTES
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation
Shock Vibration	MIL-STD-810F, Method 516.5, Procedure I MIL-STD-810F, Method 514.5, Procedure I	

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION	NOTES
Dimensions W x H x D	430 x 266 x 600 mm	6U without handles
Weight	40 Kg. Typ	
RF Connectors In/Out	Type-N Female / 7/16 DIN	Non-condensation
AC Power / Interface	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
Standard: Digital Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 GPIB Interface	

OUTLINE DRAWING



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