



MODEL NUMBER:

**SS18G-100**

**SOLID STATE HIGH POWER AMPLIFIER**

## ELECTRICAL

- ✓ **RACK MOUNTED SYSTEM**
- ✓ **HIGH POWER CLASS AB LINEAR GAN DESIGN**
- ✓ **INSTANTANEOUS ULTRA-WIDE BANDWIDTH**
- ✓ **DESIGNED FOR BROADBAND EMI/RFI, LAB, COMM. AND EW APPLICATIONS**
- ✓ **SUITABLE FOR ALL SINGLE CHANNEL MODULATION STANDARDS**
- ✓ **BUILT-IN PROTECTION CIRCUITS**
- ✓ **HIGH RELIABILITY AND RUGGEDNESS**

## ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

PARAMETER	SPECIFICATION	NOTES
Operating Frequency Range	6.0 - 18.0 GHz	
Power Output @ Psat	100 Watt Min	CW
Power Output @ P1dB GCP	50 Watt Min	CW
Power Gain	50 dB Min	
Power Gain Flatness	4.0 dB p-p Typ	Constant input power
Gain Control	20 dB Typ	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
Harmonics	<-10 dBc Typ	At rated output
Non Harmonic Spurious	-60 dBc Max	
Operating Voltage	100-240 VAC	
Power Consumption	1000 Watt Max	At rated output
Input Power Protection	+8 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	Self-initiated shutdown
High Temperature Protection	Automatic Shutdown	

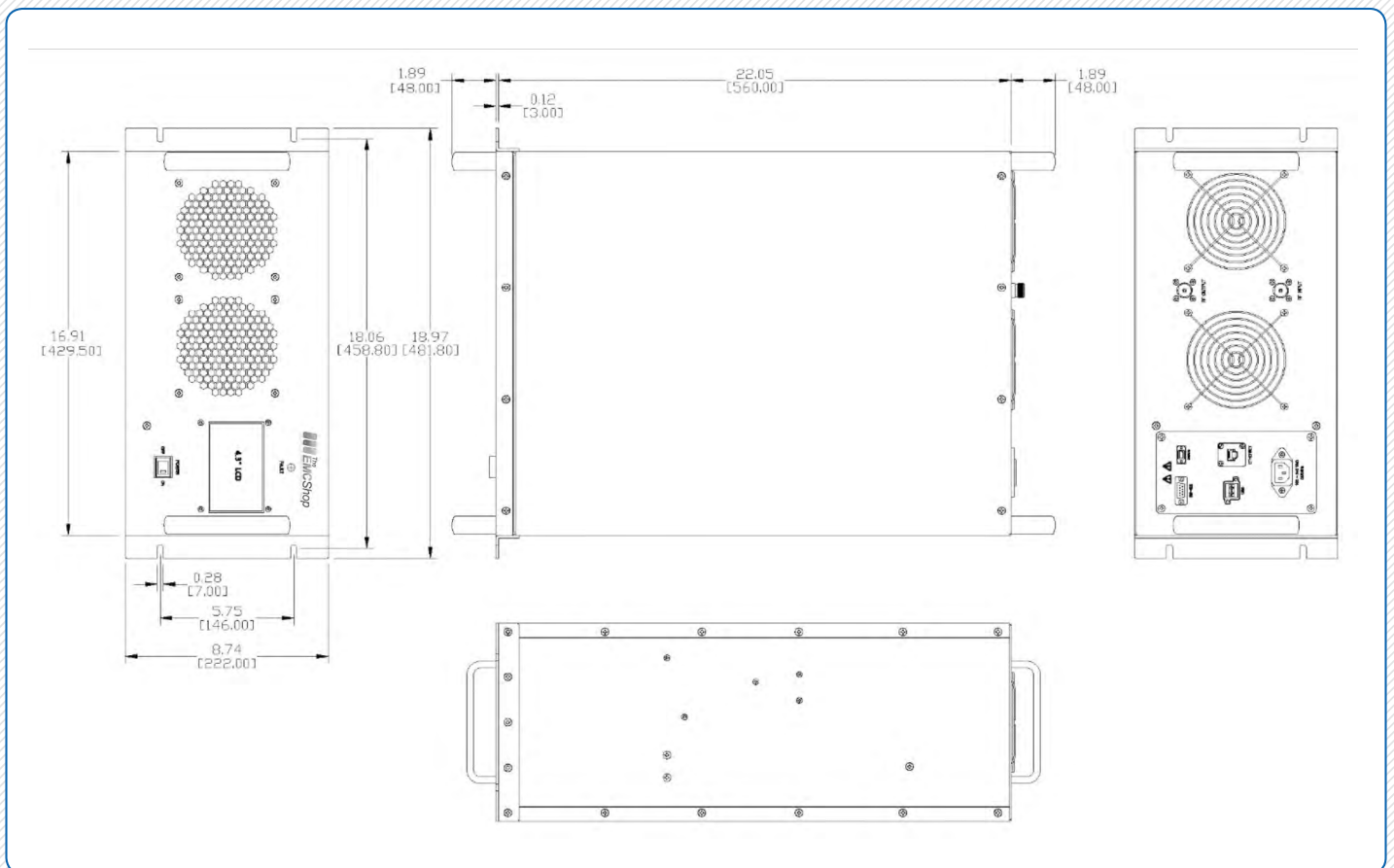
## ENVIRONMENTAL CHARACTERISTICS

PARAMETER	SPECIFICATION	NOTES
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing
Shock & Vibration	MIL-STD-810E	Designed to meet

## MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION	NOTES
Dimensions W x H x D	430 x 222 x 560 mm	5U - excluding handles
Weight	35 Kg. Max	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
<b>STANDARD:</b> Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

## OUTLINE DRAWING



WWW.THEEMCSHOP.COM



SALES@THEEMCSHOP.COM



844.423.7435



THE EMC SHOP, 7401 GALILEE RD. #160 ROSEVILLE, CA 95678