PSSA-0.8G3.2G-800

800W Pulse & CW SS Amplifier

Solid State Power RF Amplifier

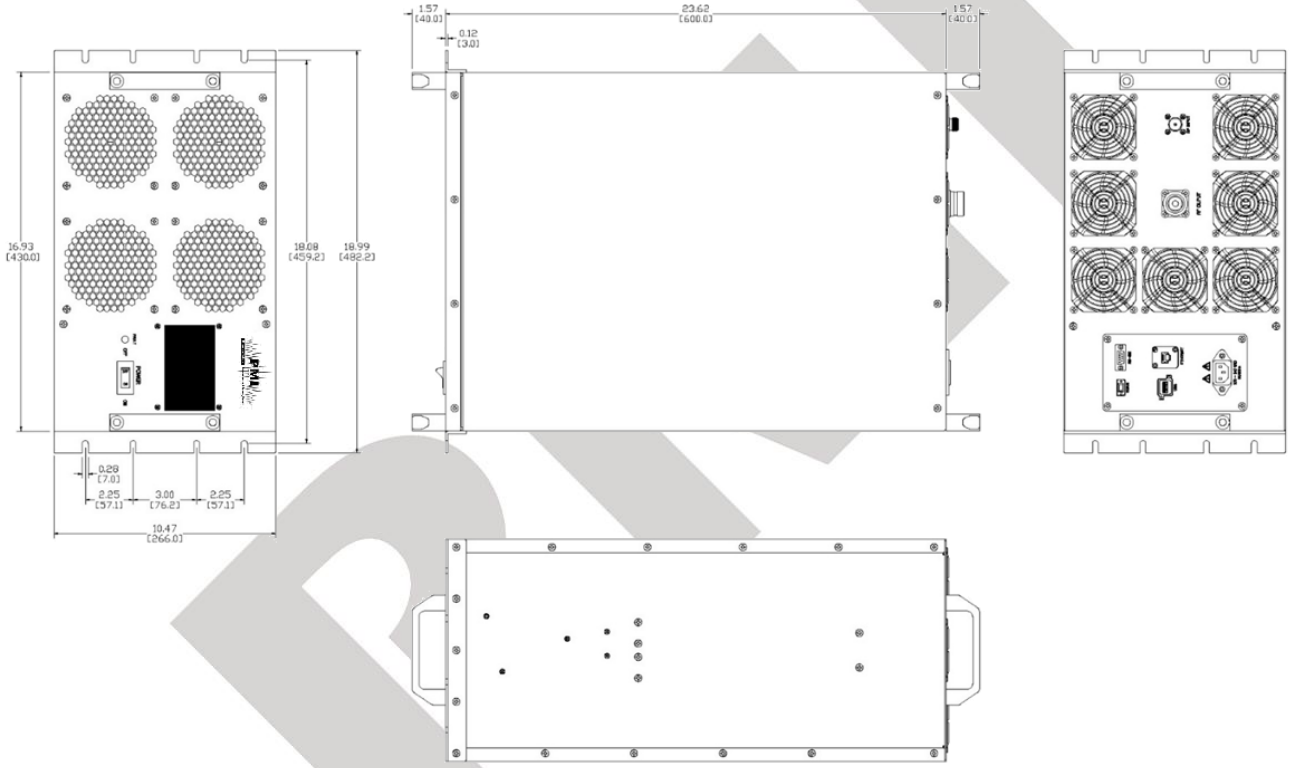
The PSSA-0.8G3.2G-800 is a Solid State 800W (Pulse & CW) RF Amplifier which covers frequency range from 800MHz to 3200MHz. This amplifier can achieve high efficiency operation with proven reliability as is designed with the robust engineering and employment of the most advanced devices and components.

FEATURES

-Designed for high power Pulse and CW automotive testing applications
-Rack mounted system
-Class A/AB linear GaN design
-Instantaneous wide bandwidth
-Built-in protection circuits
-High reliability and ruggedness

Parameter	Specification		
Electrical			
Frequency Range	0.8-3.2 GHz		
Output Power @ Peak Pulse	800 Watt nominal (Pulse)		
Pulse Characteristics	Width	Duty	PRF
Droop<1 dB	100 µS	10 %	1000Hz
Power Output CW	600 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		
Input Return Loss	-10 dB Max Relative to 50 Ohm		
2-Tone Intermodulation (IMD)	<-30 dBc Typ 47dBm/Tone, Δ = 1MHz		
Harmonics	<-20 dBc Typ At rated output power		
Spurious	-60 dBc Max Non-harmonics		
Operating Voltage	180 - 240 VAC Single or Three 50 - 60 Hz		
Power Consumption	3 KW Max At rated Pout		
Input Power	+5 dBm Max <10 Sec without damage		
Load VSWR Protection	∞ : 1 <1 minute at rated Pout		
Blanking Speed	5 uS Max		
Mechanical			
Configuration	6U without handles		
W x H x D	430 x 266 x 600 mm		
Weight	40 Kg. Typ		
RF Connectors In/Out	Type-N Female / 7/16 DIN		
AC Power	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		

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



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