The **MP2500/3G/45MK-A-R2U15** is a broadband high power amplifier for 1000-4000 MHz frequency band. The amplifier system employs advance GaN devices and provides high efficiency, broad band and high dynamic range, protected against over-temperature, over driving, over-power and excessive current draw. It provides remote control function via Ethernet and RS-232 interface for remote access and control.GUI control is provided.

Model: MP2500/3G/45MK-A-R2U15

1. Electrical Characteristics

Item	Value	Note
Frequency Range	1000 ~ 4000 MHz	
Gain	45 dB (Min.)	@ 30 Watts Output
Gain Flatness	±1.0 dB	In ALC On Over Freq.
Output Psat	+45dBm (Min.)	
Input / Output VSWR	1.5:1 (Max.)	
Harmonics	-15 dBc (Max.)	@ 30 Watts Output
Spurious	-70 dBc (Max.)	@ 30 Watts Output
Efficiency	>30%	@ 30 Watts Output
HPA Enable/Disable	Via GUI	
ALC Range	>25 dB	Set by GUI
Input Power Monitor	Real Time Monitoring	Via GUI
FWD Power Monitor	Real Time Monitoring	Via GUI
REV Power Monitor	Real Time Monitoring	Via GUI
Max RF Input	+25 dBm	With ALC Control
AC Input	100 – 240 VAC	
Input / Output Impedance	50 Ω	

2. Mechanical Characteristics

Ethernet Interface	RJ-45	
RS232 Connector	DB9-Female	
RF IN/OUT Connector	N-Type Female	
Dimensions	19" 2U x 15"	
Weight	25 lbs	

3. Environment Characteristics

Operating Temperature	-10℃ ~ +60℃	Ambient

4. Firmware Control

Output Power Control	Real-Time Monitor	
Input Over Driving	Default Setting: +10 dBm	Shutdown Protection
Over-Power Protection	Setting	Shutdown Protection
VSWR Protection	Real-Time Monitor	Shutdown Protection
Current Monitor	Real-Time Monitor	Shutdown Protection
Temperature Monitor	Real-Time Monitor	Shutdown Protection
Operating Voltage	Real-Time Monitor	Shutdown Protection
Fan Current Monitoring	Real-Time Monitor	Alarm

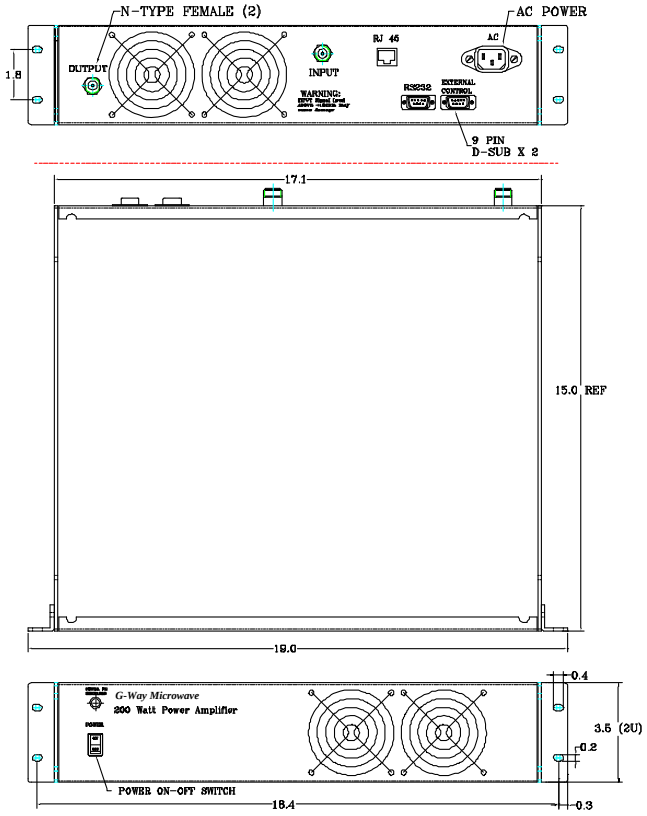
Revision History

REV	Reason to Change	Date	Initialed by

5. DB9-Female Pin Description

1	N/C	
2	RS232 Rx	
3	RS232 Tx	
4	N/C	
5	GND	
6,7, 8,9	NC	

6. Outline Drawing



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