



The MP3300/400/50MK-A-R3U15 is a high power amplifier for 3100 - 3500 MHz frequency band. The amplifier system employs 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: MP3300/400/50MK-A-R3U15

1. Electrical Characteristics

Item	Value	Note
Frequency Range	3100 ~ 3500 MHz	
Gain	50 dB (Min.)	
Gain Flatness	±1.0 dB	
Output Psat	+50 dBm (Min.)	Over Pass-band
Input / Output VSWR	1.5:1 (Max.)	
Harmonics	-30 dBc (Max.)	@ 100 Watts Output
Spurious	-70 dBc (Max.)	@ 100 Watts Output
Efficiency	> 25%	@ 100 Watts Output
HPA Enable/Disable	Via GUI	
VVA 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	
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" x 3U x 15"	
Weight	25 lbs	

3. Environment Characteristics

Operating Temperature	-10°C ~ +60°C	Ambient
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4. Firmware Control

Output Power Control	Real-Time Monitor	
Input Over Driving	>25 dBm	Shutdown Protection
Over-Power Protection	Setting	Shutdown Protection
VSWR Protection	Real-Time Monitor	Alarm
Current Monitor	Real-Time Monitor	Alarm
Temperature Monitor	Real-Time Monitor	Shutdown Protection
Operating Voltage	Real-Time Monitor	Shutdown Protection
Fan Current Monitoring	Real-Time Monitor	Alarm

Options Included:(R3U15), (CONTR-P),(FPSP), (ETHERNET/RS232), (12V1), (N/N), (SNB)

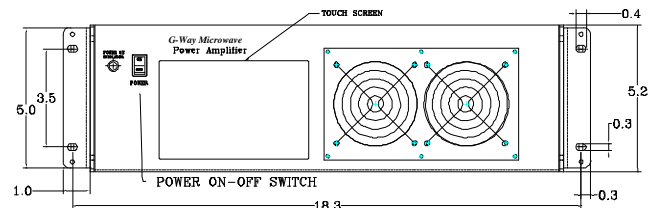
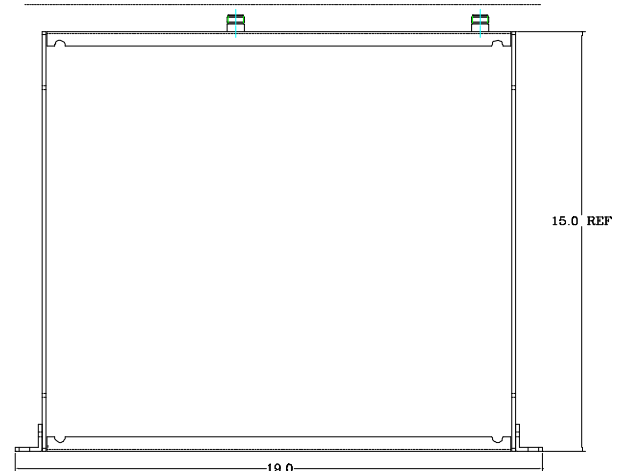
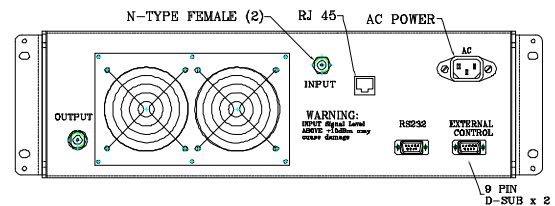
Revision History

REV	Reason to Change	Date	Initialed by
	Initial Release	06/29/15	Y.Z.

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



SKU # XXX-XXXX