



The MP1525/1350/53HK-A-R3U15 is a high power amplifier for 850-2200 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: MP1525/1350/53HK-A-R3U15

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	850 ~ 2200 MHz	
Gain	53 dB (Min.)	
Gain Flatness	±1.0 dB (Max.)	Over Freq. Range
Output Psat	+53 dBm (Min.)	
Input / Output VSWR	1.5:1 (Max.)	
Harmonics	-20 dBc (Max.)	@ 200 Watts Output
Spurious	-70 dBc (Max.)	@ 200 Watts Output
Efficiency	> 25%	@ 200 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	+10 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" x 3U x 15"	
Weight	25 lbs	

3. Environment Characteristics		
Operating Temperature	-10°C ~ +60°C	Ambient

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	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

