



MP3100/800/50MK-B-R2U15 is a high power amplifiers system for 2700 - 3500 MHz frequency band. System employs GaN devices and provides high efficiency, broad band and high dynamic range.

Model: MP3100/800/50MK-B-R2U15

Options Included:(R2U15), (FPPS), (FHR), (RM9), (12V1), (N/N), (SNF)



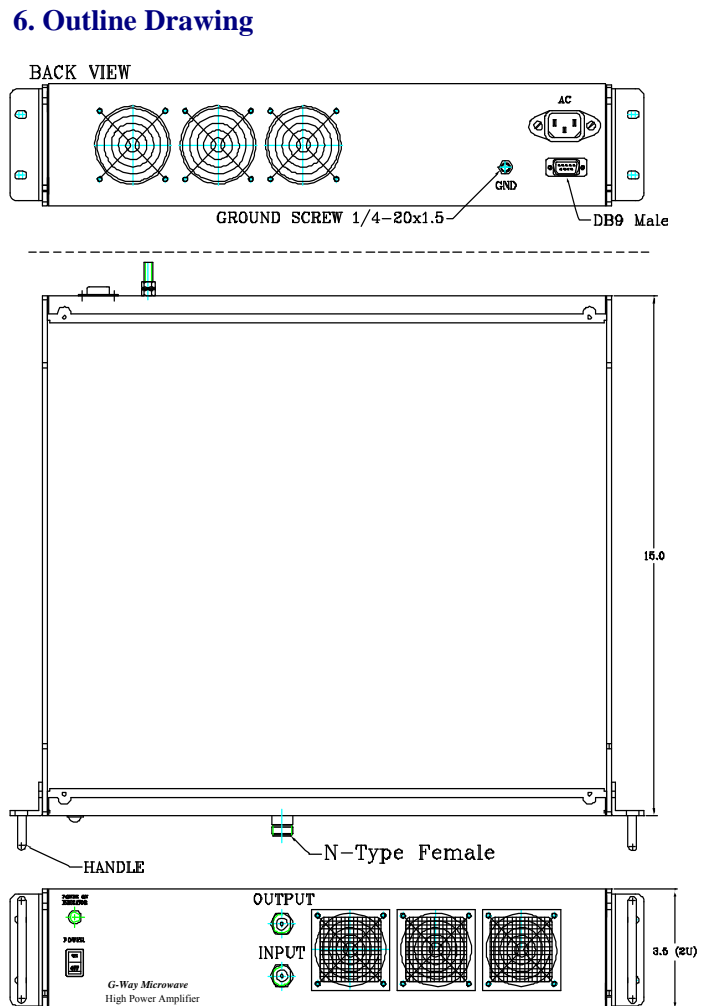
1. Electrical Characteristics		
Item	Value	Note
Frequency Range	2700 ~ 3500 MHz	
Gain	54 dB (Min.)	@ 100 Watts Output
Gain Flatness	± 1.0 dB (Max.)	
Output Psat	+ 50 dBm (Min.)	
Input / Output VSWR	1.5:1 (Max.)	
Harmonics	- 40 dBc (Max.)	@ 100 Watts Output
Spurious	- 70 dBc (Max.)	@ 100 Watts Output
HPA Enable/Disable	TTL Low or Open: Enable TTL High: Disable	
Temperature Monitor	Vt+ 500mV, 10 mV / °C	Pin 1
Over Temperature Protection	Shutdown @ +80 ± 5°C	Auto Recover @ +70 ± 5°C
Max RF Input Power (Without Damage)	+5 dBm	
AC Input	100 – 240 VAC	Single Phase
Power Consumption	450 Watts (Max.)	@ 100 Watts Output
Input / Output Impedance	50 Ω	
Load Mismatch Handling	∞:1	No Damage

5. DB9-Male Pin Description		
1	NC	
2	Temperature Sensor	
3	Current Monitor	
4	NC	
5	Enable/Disable	
6, 7	NC	
8, 9	GND	

2. Mechanical Characteristics		
Interface Connector	DB9-Male	
RF IN/OUT Connector	N-Type Female	J1 ~ J4
Dimensions	19" x 2U x 15"	
Weight	25 lbs	

3. Environment Characteristics			
	Min.	Typ.	Max.
Operating Ambient Temperature (°C)	-10		+50
Non-operating Temperature (°C)	-20		+85
Relative Humidity (% Non Condensing)			95
Cooling	Internal Forced Fan From Front to Back		

Revision History			
REV	Reason to Change	Date	Initialed by
	Release to Production	04/19/19	Y.Z



SKU # 9300049