

# HIGH POWER RF POWER AMPLIFIER SYSTEM

**Model – DB2.08.0G5454AC**



## General Description:

This amplifier is a broadband Class AB solid-state RF power amplifier system designed for EMC/EMI test, broad band jamming, high power test and general-purpose amplification. This system utilizes the latest high power RF transistors and also features a built in control and monitoring.

Like all Elite RF amplifiers, the product comes with an industry leading warranty.

### Features

Wide Freq. Range  
High Output Power  
High Gain  
High Reverse Isolation  
Built-in Protection

### Indicator options

Frequency  
Gain  
Forward Power  
Reverse Power  
Current  
Temperature

### Protections

Thermal Overload  
Over Voltage  
Over VSWR

## ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	2000		8000	MHz
Output Power CW	Psat	250			Watt
Output Power at 1 dB Compression	P1dB	50			Watt
Gain	Gp	54			dB
Gain Flatness	Delta Gp 1		+/- 3		dB
Input VSWR	S11			2:1	Ratio
Harmonics	H			-10	dBc
Spurious Signals	Spur			-60	dBc
Operating Voltage	VAC	100		240	Volts
Power Consumption	P			3200	Watts
Input Power	Pin			5	dBm
Power Display Accuracy	C		+/- 0.5		dB

## ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	0		+40	Deg. C
Storage Temperature	Tstg	-20		+75	Deg. C
Relative Humidity (non-condensing)	RH	5		95	%
Vibration/Shock	VI /SH		Normal Truck Transport		

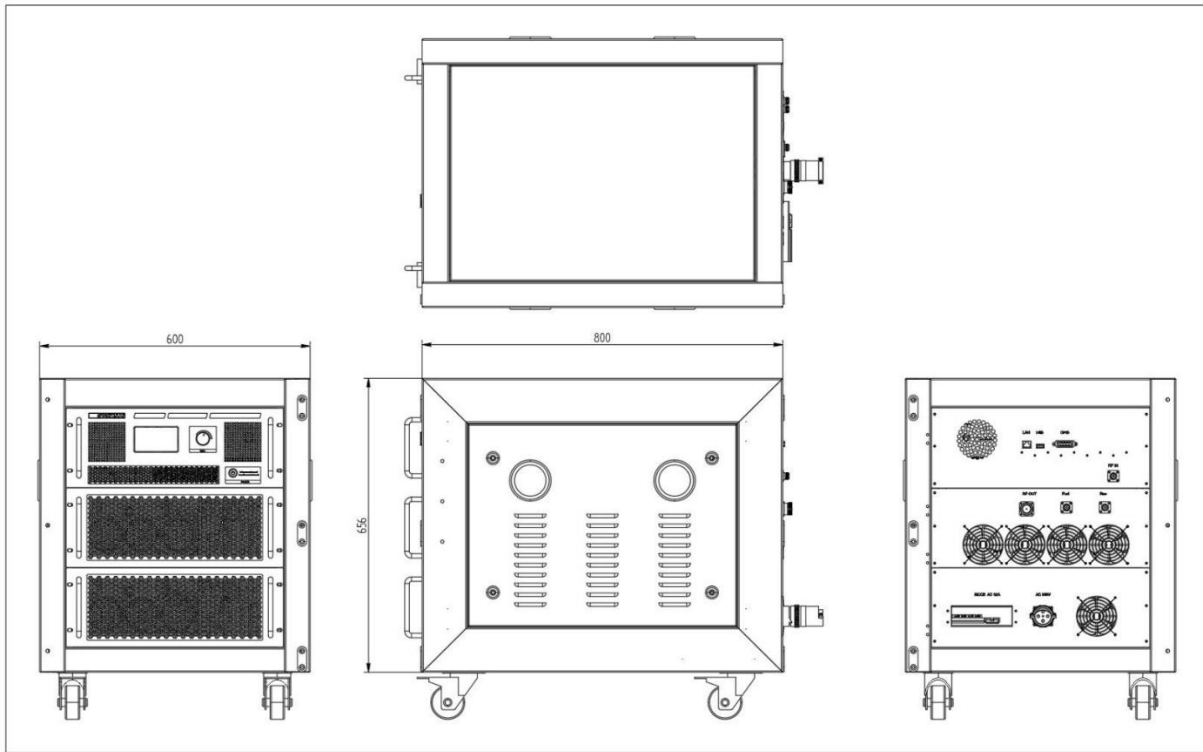
## MECHANICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		12U		Rack Unit
Weight	Wt.			100	kg
Connectors In/Out	RF Conn		N-F/N-F		-
Cooling	Th		Fan Cooling		-

## CONTROL INTERFACE

Options	Available
Front Panel Touchscreen	Yes
LAN/USB	Yes
Custom Controls	Yes

## Mechanical Drawings



## Front Panel Display

