

HIGH POWER RF POWER AMPLIFIER SYSTEM

Model – DB2.06.0G5050AC



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
- Built-in Protection
- High Reliability
- High Ruggedness

Applications

- Defense
- Communications

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	2000		6000	MHz
Output Power CW	Psat	100			Watt
Output Power at 1 dB Compression	P1dB		47		dBm
Gain	Gp	50			dB
Gain Flatness	Delta Gp 1		+/- 3		dB
Input VSWR (@50Ohm)	S11			2:1	Ratio
Harmonics	H		-15		dBc
Spurious Signals	Spur		-55		dBc
Operating Voltage (50-60Hz)	VAC	100		260	Volts
Power Consumption	P			1200	VA
Input Power	Pin			+ 5	dBm
Power Display Accuracy	C		-		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

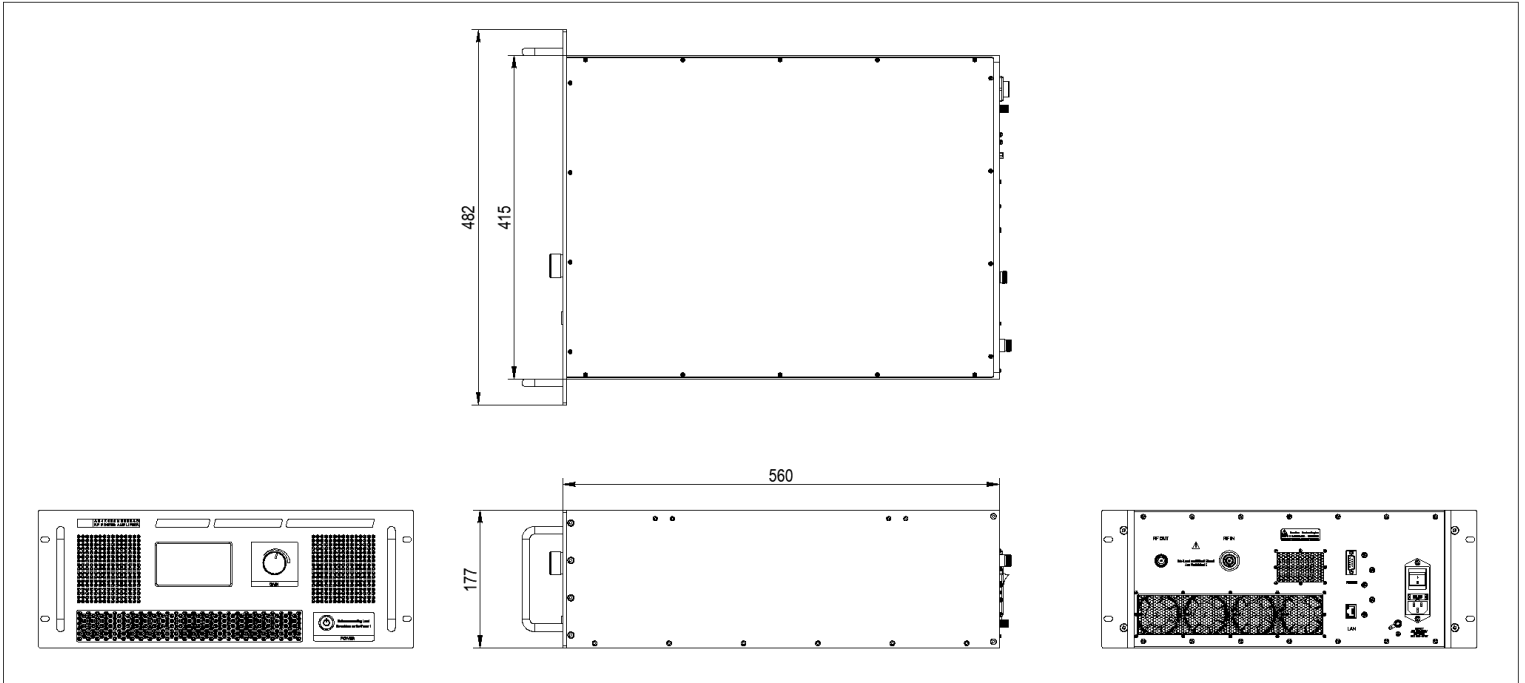
MECHANICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		19inch-4U Depth 562mm		Rack Unit
Weight	Wt.		23		kg
Connectors In/Out	RF Conn		N-Female / N-Female		Customizable
Cooling	Th		Fan Cooling		

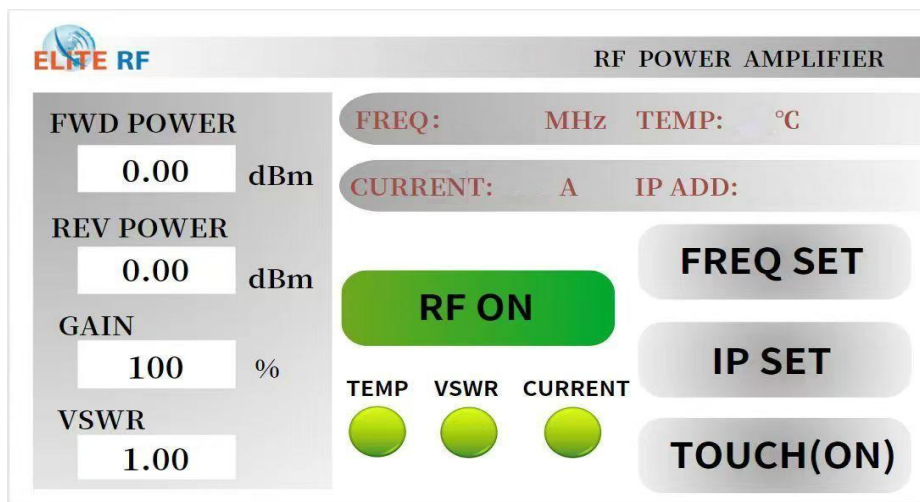
CONTROL INTERFACE

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

Mechanical Drawings



Front Panel Display



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Rev2 05/20/2025:
 Specifications subject to change, consult sales for latest information