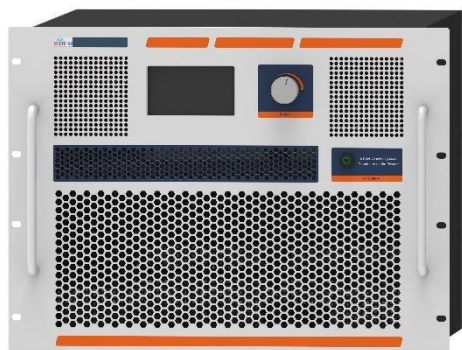


HIGH POWER RF POWER AMPLIFIER SYSTEM

Model – DB1.0018G5050AC



100 watts 1000MHz - 18000MHz CW Mode

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	Indicator options	Protections
Wide Freq. Range	Frequency	Over Heat
High Output Power	Gain	Over Current
High Gain	Forward Power	Over VSWR
High Reverse Isolation	Reverse Power	
Built-in Protection	Current	
	Temperature	

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	1000		18000	MHz
Output Power CW	Psat	100			Watt
Output Power at 1 dB Compression	P1dB	40			Watt
Gain	Gp	50			dB
Gain Flatness	Delta Gp 1		+/- 5		dB
Input VSWR	S11			2:1	Ratio
Harmonics	H		-15		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage	VAC	100		240	Volts
Power Consumption	P			1500	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		

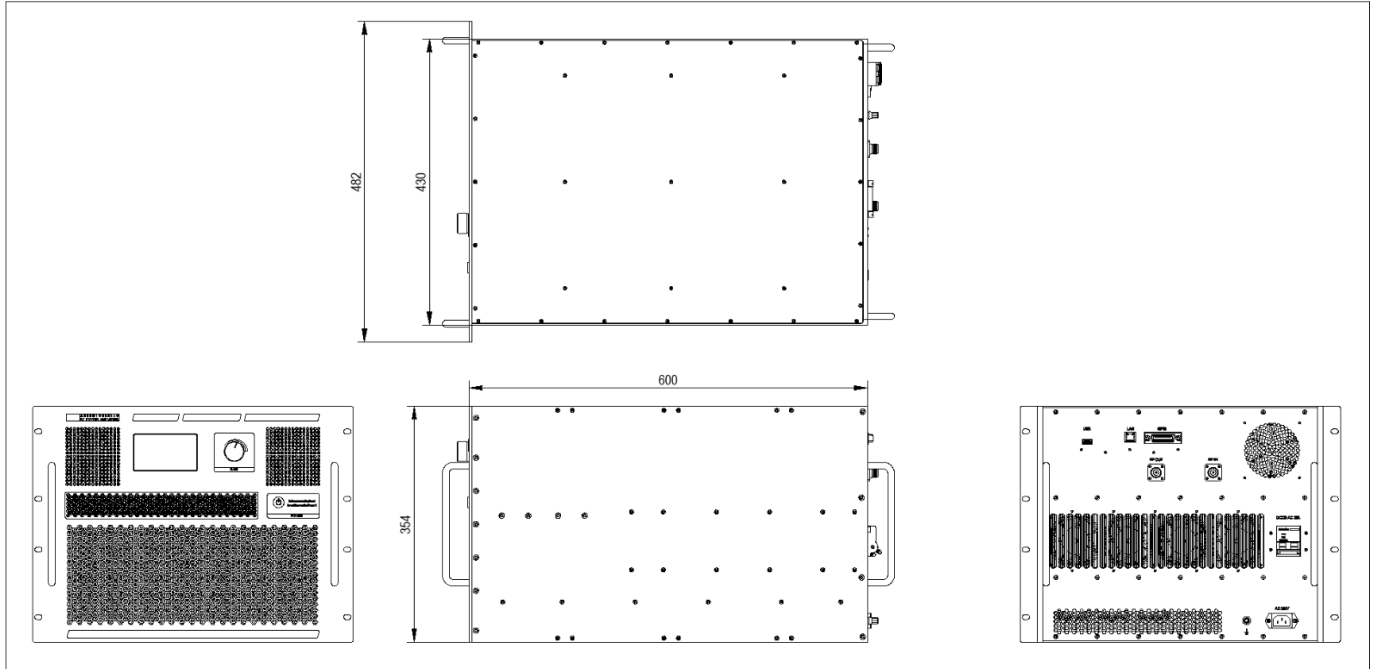
MECHANICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		8U		Rack Unit
Weight	Wt.			70	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

