

HIGH POWER RF POWER AMPLIFIER SYSTEM

Model – DB027040G5454AC



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 Heat
Over VSWR

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	26500		40000	MHz
Output Power CW	Psat	300			Watt
Output Power at 1 dB Compression	P1dB		-		Watt
Gain	Gp	54			dB
Gain Flatness	Delta Gp 1		+/- 5		dB
Input VSWR	S11			2:1	Ratio
Harmonics	H		-25		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage	VAC		380		Volts
Power Consumption	P			5000	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		

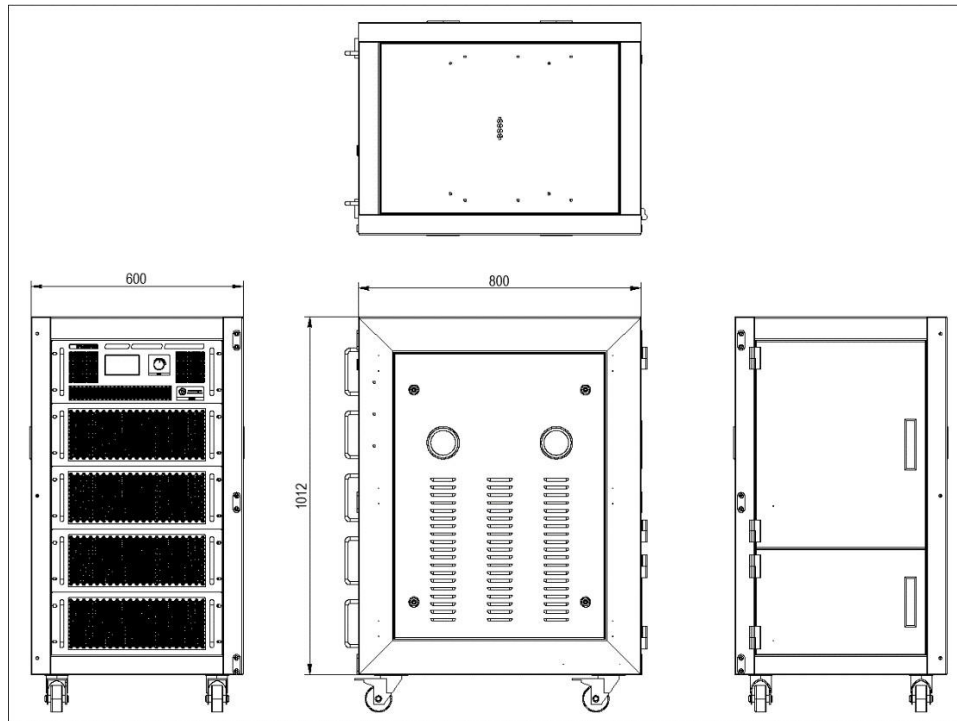
MECHANICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		20U		Rack Unit
Weight	Wt.			200	kg
Connectors In/Out	RF Conn		2.92-F/WR28		-
Cooling	Th		Fan Cooling		-

CONTROL INTERFACE

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

Mechanical Drawings



Front Panel Display

