HIGH POWER RF POWER AMPLIFIER SYSTEM

Model – DB027040G4747AC



50 watts 26500MHz - 40000MHz 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	Thermal Overload
High Output Power	Gain	Over Voltage
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	26500		40000	MHz
Output Power CW	Psat	50			Watt
Output Power at 1 dB Compression	P1dB		-		Watt
Gain	Gp	47			dB
Gain Flatness	Delta Gp 1		+/- 4		dB
Input VSWR	S11			3:1	Ratio
Harmonics	H		-20		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage	VAC		220		Volts
Power Consumption	P			500	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	-40		+85	Deg. C
Relative Humidity (non-condensing)	RH	5		95	%
Vibration/Shock	VI /SH		Normal Truck Transport		

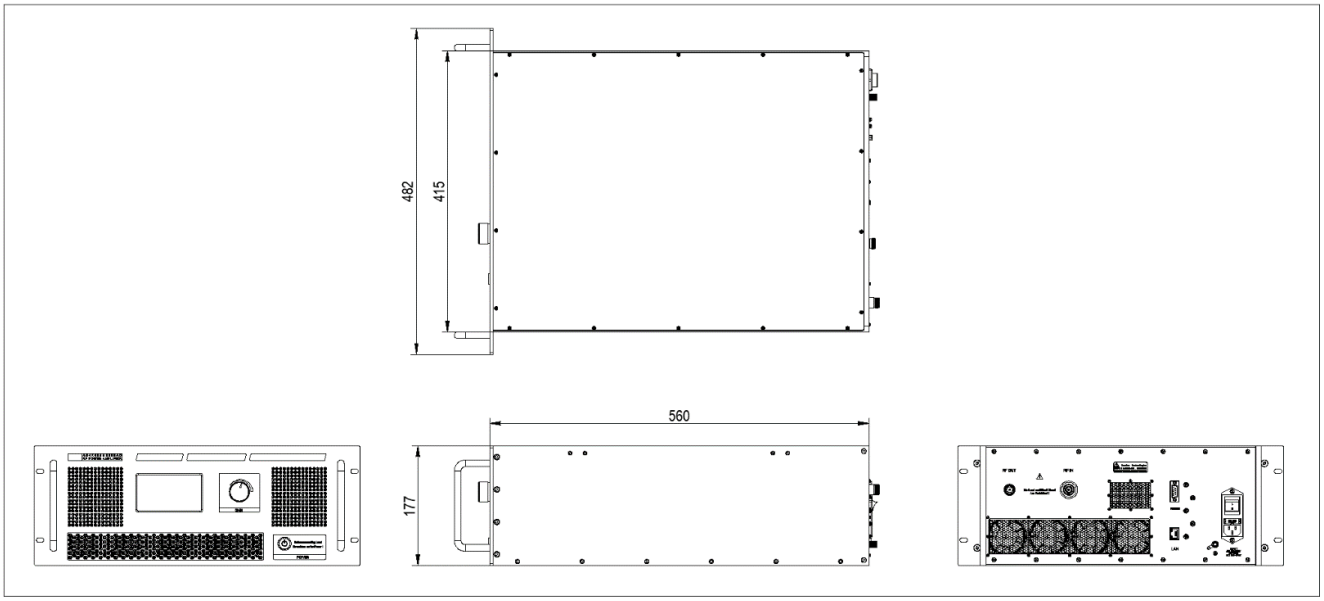
MECHANICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		4U		Rack Unit
Weight	Wt.			40	kg
Connectors In/Out	RF Conn		2.92-F/WR-28		-
Cooling	Th		Fan Cooling		-

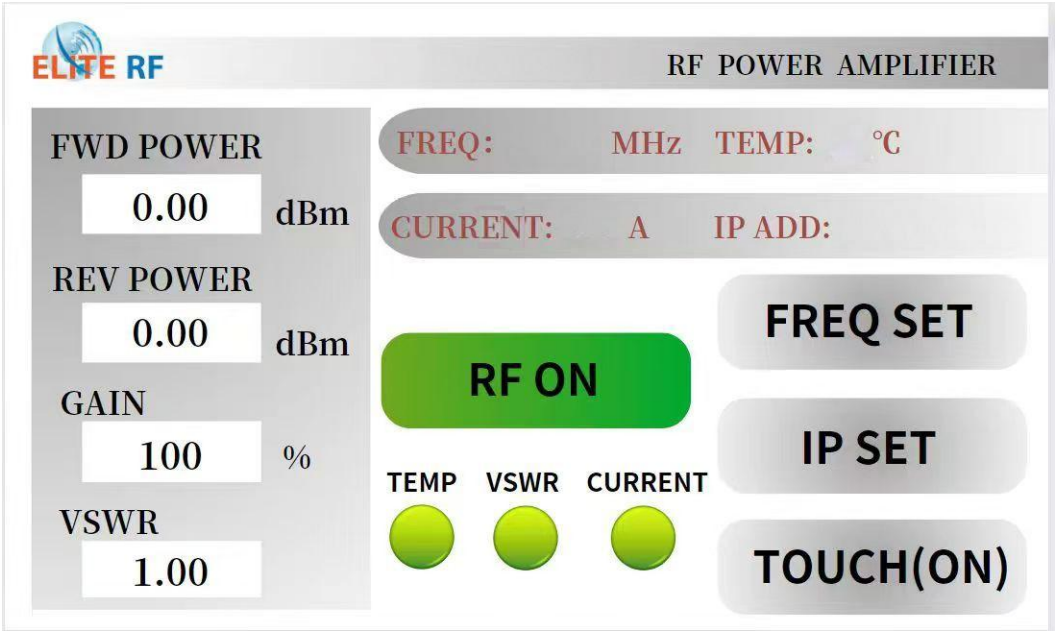
CONTROL INTERFACE

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

Mechanical Drawings



Front Panel Display



Elite RF LLC

1700 Tower Dr, Hanover Park, IL 60133, USA
Call us for customer service/technical support at: 847-592-6350
Email: sales@eliterf.com Web: www.eliterfllc.com

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Specifications subject to change, consult sales for latest information

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