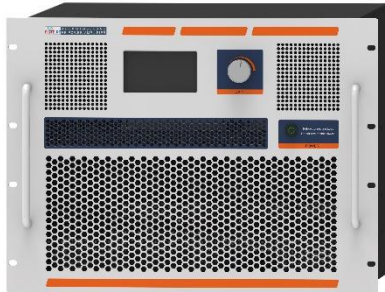


LINEAR WIDEBAND POWER AMPLIFIER

Model – DB6.0018G5555AC



300watts 6GHz – 18GHz 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

Wide Freq. Range
High Output Power
High Gain

Protections

Over Current
Over Heat
Over VSWR

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	6000		18000	MHz
Output Power CW	Psat	300			Watt
Output Power at 1 dB Compression	P1dB		150		Watt
Gain	Gp	55			dB
Gain Flatness at 200MHz step show in test report	Delta Gp 1		+/- 4		dB
Input VSWR at 50 ohm	S11			2:1	Ratio
Harmonics	H			-15	dBc
Spurious Signals	Spur			-55	dBc
Operating Voltage (3ΦY-5Wire)	VAC	340		480	Volts
Power Consumption	P			6000	VA
Input Power	Pin			5	dBm
Power Display Accuracy	C		-		dB

ENVIRONMENTAL CHARACTERISTICS

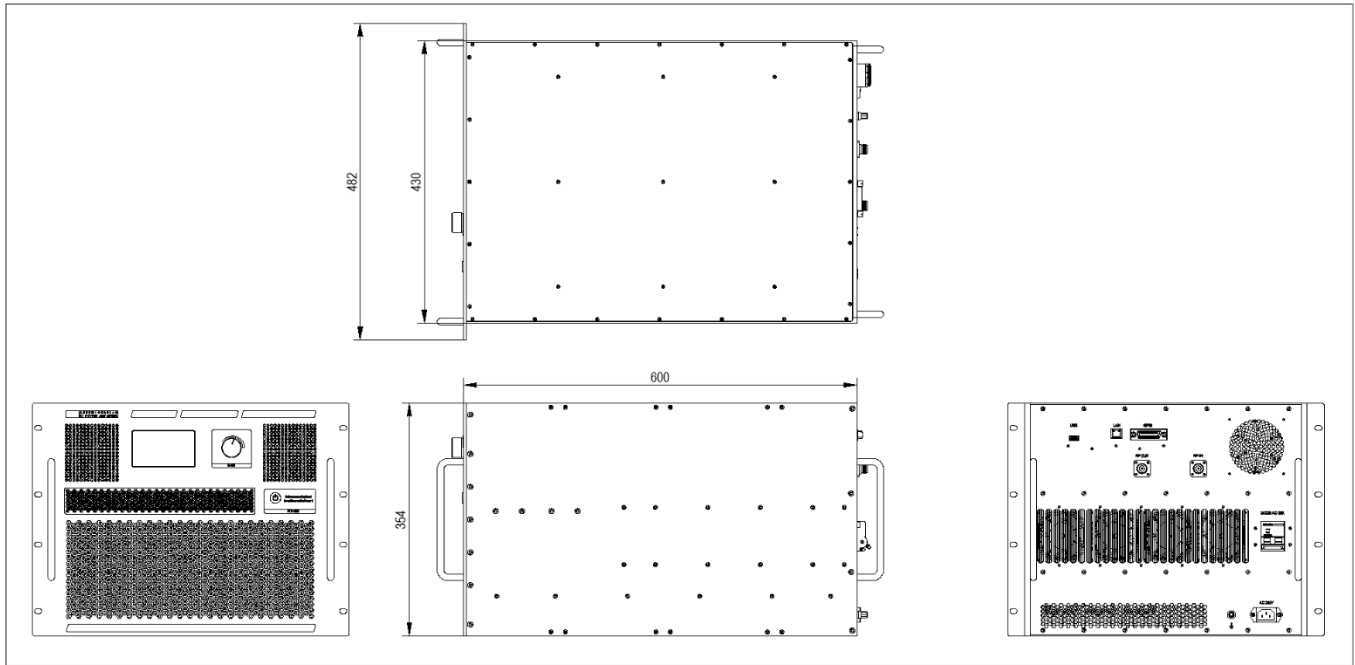
Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	0		+40	Deg. C
Storage Temperature	Tstg	-20		+75	Deg. C
Relative Humidity (non-condensing)	RH	5		95	%
Vibration/Shock	VI /SH		Normal Truck Transport		

MECHANICAL CHARACTERISTICS

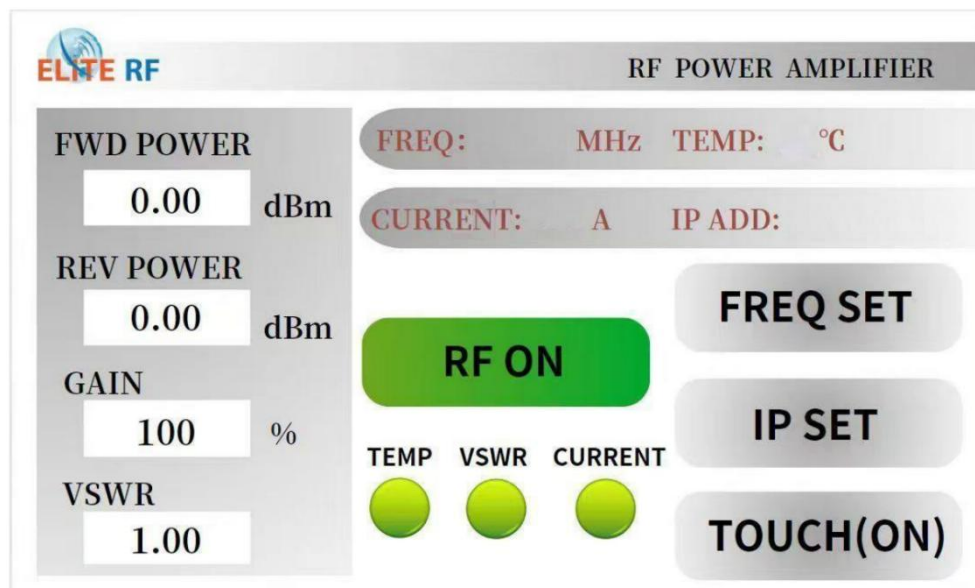
Parameter	Symbol	Min	Typ	Max	Unit
Dimensions (Without Driver)	Dim		10U (19 inch)		Rack Unit
Weight	Wt.			75	kg
Connectors In/Out	RF Conn		N-F/ WRD500D36		-
Cooling	Th		Fan Cooling		-
Control Interface	CI		GPIO/LAN/USB		-

Outline Drawings

(Just for Reference)



User Interface



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

Rev2 01/24/2025:
Specifications subject to change, consult
sales for latest information

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