



Front touch panel allows complete control of all amplifier functions



General Description:

This system is a broadband power amplifier designed for CW/ Digital/Pulse signals and general-purpose amplification. Using advanced high power density GaN semiconductor devices, these high-performance amplifiers achieve high efficiency, high gain, and wide dynamic range. Gain controlled through front panel touch display or through Remote control via Ethernet with supplied GUI.

Like all Elite RF amplifiers, the product comes with an industry leading warranty.

Features	Display Indicators	Protections
2- 18 GHz	Gain Settings	Thermal Overload
1 watt	Temp Fault	Internally Fused
50 dB gain	Voltage	Over Current
Class AB	Current	Over Voltage
100/240 VAC	Temp	
Gain Control		
Remote Control		
V/C/T Monitor		

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	2		18	GHz
Output Power CW	Psat		2		Watt
Output Power at 1 dB Compression	P1dB		1		Watt
Small Signal Gain	Gp		50		dB
Gain Flatness at Psat	Delta Gp 1		+/- 2		dB
Input VSWR	S11		2:1		dB
IMD	IP3		-		dBm
Small Signal Gain Flatness	Delta Gp 2		+/- 3.0		dB
Harmonics at 50 Watts	H		-15		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage (1 phase)	VAC		100 - 240		VAC
AC Input Power @ 1 watts	AC input		50		Watts
Class of Operation	C		AB		Class
Noise Figure	NF		-		dB
Gain Adjustment Range	GA		N/A		dB

ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	0		+50	Deg C
Storage Temperature	Tstg	-40		+85	Deg C
Relative Humidity (non-condensing)	RH			95	%
Altitude	ALT			10,000	Feet
Vibration/Shock	VI /SH			Normal Truck Transport	

MECHANICAL CHARACTERISTICS

Dimensions	Symbol	Min	Typ	Max	Unit
Dimensions (rack mount)	Dim		19 x 15 x 3.5	2U	Inches
Weight	Wt.		30		lbs.
Connectors	RF Conn		N - type		-
Cooling	Fans		Forced Air		-

Rev 1 9/14/17:
Specifications subject to change,
consult sales for latest information