



Optional 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 LDMOS and GaN semiconductor devices, these high-performance amplifiers achieve high efficiency, high gain, and wide dynamic range. Like all Elite RF amplifiers, the product comes with an industry leading warranty.

Features	Indicator options	Protections
118- 144 MHz	Forward Power	Thermal Overload
800 watts	Reverse Power	Internally Fused
60 dB gain	VSWR Fault	Over Current
Class AB	Temp Fault	Over Voltage
100/240 VAC	Gain Settings	Over Power
Gain Control	High Power	Over VSWR
Power Monitor	Voltage	
Remote Control	Current	
V/C/T Monitor	Temp	

Red: Optional

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	118		144	MHz
Output Power PEP	Psat		1000		Watt
Output Power CW	P1dB		200		Watt
Small Signal Gain	Gp		60		dB
Gain Flatness at Psat	Delta Gp 1		+/- 1		dB
Input VSWR	S11		2:1		dB
IMD	IP3		N/A		dBm
Small Signal Gain Flatness	Delta Gp 2		+/- 2		dB
Harmonics at 200 Watts	H		-40		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage (1 phase)	VAC		100 - 240		VAC
AC Input Power at 200 watts CW	AC input		750		Watts
Class of Operation	C		AB		Class
Noise Figure	NF		N/A		dB
Gain Adjustment Range	GA		30		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		-

Model Options:
Green: Option available
Red: Option unavailable

F: V/C/T Monitor P: Power Monitor G: Gain Control E: Remote Ethernet Control I: IEEE488 R: RS-232

Elite RF LLC

Rev 2 8/1/23:
Specifications subject to change,
consult sales for latest information

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