



Note: Picture is a representation, actual unit will vary based on application.

General Description:

This system is a broadband power amplifier designed for **Pulse** signal 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 **5-year warranty**.

Features	Monitors	Protections
3.9 GHz	Forward power	Thermal overload
5K watts	Reverse power	Internally fused
68 dB gain	VSWR	Over current
Class AB	Temp	Over voltage
100/240 VAC		High power fault
Gain Control		High VSWR fault
Remote Control		Pulse width fault
		Duty cycle fault

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	3.9		3.9	GHz
Output Power CW	Psat	5000	5500		Watt
Output Power at 1 dB Compression	P1dB		N/A		Watt
Gain @ 5 KW	Gp		68		dB
Input for 5KW	Gp 1		0		dBm
Input VSWR	S11		2:1		dB
Duty Cycle	DC		2	5	%
Pulse width	PW		2		ms
Harmonics at 5000 Watts	H		-25		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage (1 phase)	VAC		100 - 240		VAC
AC Input Power @ 5000 watts 2% DC	AC input		400		Watts
Class of Operation	C		AB		Class
Noise Figure	NF		N/A		dB
Gain Adjustment Range	GA		10 dB		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 8.75	2U	Inches
Weight	Wt.		40		lbs.
Connectors	RF Conn		7/16 Din - type		-
Cooling	Fans		Forced Air		-

Elite RF LLC

2155 Stonington Ave, Suite 217, Hoffman Estates, IL. 60169
Call us for customer service/technical support at: 847-592-6350
Order or email us on-line at www.eliterfllc.com