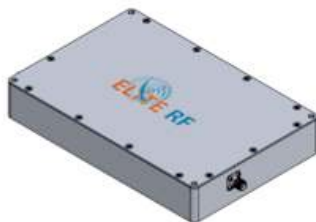


## Solid State Pulsed RF Amplifier



### General Description:

This product is a linear class AB power amplifier designed for CW/Digital/Pulse signals and general-purpose amplification. Using advanced high power density LDmos 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	Indications	Protections
2.4 – 2.5 MHz	Power	Thermal Overload
200 watts	Temp Fault	Reverse Polarity
50 dB gain		
Isolator vswr protection		
Enable/disable TTL signal		
Class AB		
32 VDC		

### ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	2.4		2.5	GHz
Output Power CW	Psat	200	250		Watts
Output Power at 1 dB Compression	P1dB		N/A		Watts
Power Gain	Gp		50		dB
Gain Flatness @ Psat	Delta Gp 1		+/- .5		dB
Input/Output VSWR	S11/S22		2:1		-
Max Input	Pin		+10		dBm
Pulse Droop	Pd		-.5		dB
Harmonics @ P1dB	H		-20		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		32		VDC
Average current at 200 watts	Iavg		.5		Amps
Enable switching time	Et		1		mS
Duty cycle	DC		1	10	%
Pulse rise/fall time			100		nS
Pulse width	PW		1	100	uS

### ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	-25		+75	Deg C
Storage Temperature	Tstg	-40		+85	Deg C
Relative Humidity (non-condensing)	RH			95	%
Altitude	ALT			10,000	Feet
Vibration/Shock	VI /SH		Transport		

### MECHANICAL CHARACTERISTICS

Dimensions	Symbol	Min	Typ	Max	Unit
Dimensions (rack mount)	Dim		7" x 4" x 1.5"		Inches
Weight	Wt.		3		lbs.
Connectors	RF Conn		SMA		-
DC Connector	CDC		Feedthru		-

#### 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