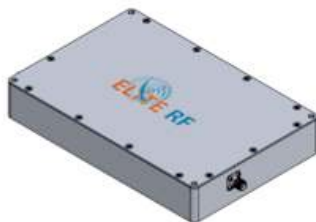


Solid State Pulsed RF Amplifier



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		-

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