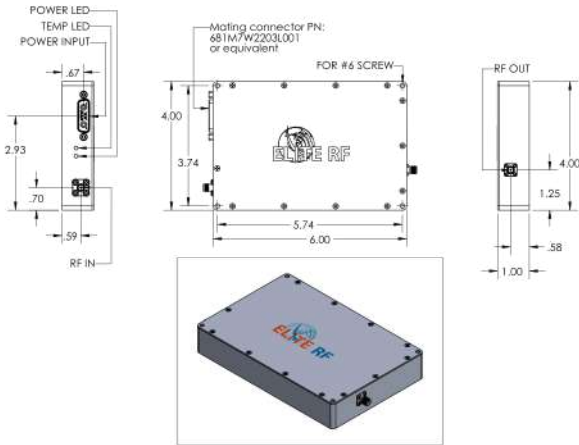


Solid State Wideband Power Amplifier



General Description

This is a broadband power amplifier designed for Pulsed signals. 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

8 – 11 GHz
200 watts: PW: 100 uS /10% duty cycle
48 dB gain
Class AB
28 VDC
On/Off Enable

Indicator options

DC Power
Temp Fault

Protections

Thermal Overload
Over Voltage
Reverse Polarity

Amplifier Options

TTL Input RF Switch input
Forward power detect output
Reverse power detect output
Temp Alarm output
Output Isolator VSWR protection

Note: Size is 8" x 6" x 1", Dc Feed-thru for voltage connection

Rev 1 - 11/1/18

Specifications subject to change, consult sales for latest information

ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	8		11	GHz
Output Power CW	Psat		200		Watt
Pulse width	PW		100		uS
Duty Cycle	DC		10		%
Gain Flatness at Psat	Delta Gp 1		+/- 2		dB
Input VSWR	S11		2:1		-
IMD	IP3		N/A		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	VDC	27	28	29	VDC
Average Current at 100 watts	Current		4		Amps
Class of Operation	C		AB		Class
Noise Figure	NF		N/A		dB
Max Load VSWR	Ld		3:1		VSWR
Temperature Shutdown	Ts		85 deg. C		Case temp.

ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	-20		+70	Deg C
Storage Temperature	Tstg	-55		+100	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		8" x 6" x 1"		Inches
Weight	Wt.		2		lbs.
Connectors	RF Conn		SMA		-
DC Connection	Dc Conn		Feed-thru		-
Cooling	Th		Heatsink required		-

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