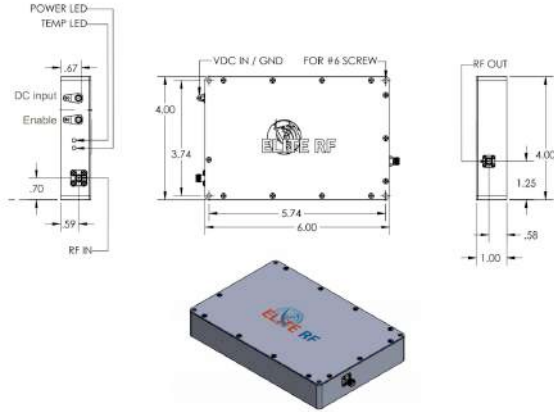


### General Description:

This 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
12.0 GHz	DC Power	Thermal Overload
32 watts	Temp Fault	Over Voltage
40 dB gain		Reverse Polarity
Class AB		
20 VDC		
On/Off Enable- Ground to disable amplifier		

### ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	BW	12.0		12.0	GHz
Output Power CW	Psat		32		Watt
Output Power at 1 dB Compression	P1dB		-		Watt
Small Signal Gain	Gp		44		dB
Gain Flatness @ Psat	Delta Gp 1		+/- 1		dB
Input VSWR	S11		2:1		-
IMD	IP3		-		dBm
Harmonics at 32 Watts	H		-15		dBc
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC	19	20	21	VDC
Current at 32 watts	Current		5		Amps
Class of Operation	C		AB		Class
Noise Figure	NF		5		dB
Large Signal Gain @ 20 watts	Lsg		40		dB

### ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	-20		+60	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

Parameter	Symbol	Min	Typ	Max	Unit
Dimensions	Dim		6.0 x 4.0 x 1.0		Inches
Weight	Wt.		1.5		lbs.
Connectors In/Out	RF Conn		SMA/2.92 mm		-
Cooling	Th		Heatsink required		-