STTR Laser Specifications 301

1. System Specifications

	Symbol	Typical (1)	Units
Optical			
Output Power (CW)	P_o	< 2 (@1270m)	Watts
Wavelength (1)	λ_c	1270nm-1275nm	nm
Spectral Width	$\Delta\lambda$	10	nm 3dB
Wavelength Temp. Coeff.	λ_{coef}	0.7	nm/C
Standard Optical Output		6x6	mm

(1) Other models are available for different wavelength, contact veralase for more information

Electrical / Data			
Power Adapter Input		100 - 240	VAC
		50-60	Hz
Power Adapter Output		5	VDC
		1200	mA
Handheld Laser Input		micro USB type C	

Program Parameters		
Current Level - Up to 5 settings (2)	0, 0.2 to 7	A
Burst Pulse Width (2)	0 to 32000	ms
Burst Pulse Frequency (2)	0 to 500	Hz
Number of Pulses per Burst	0 to 32000	
Auto-Delay Between Burst Cycles	0 to 32000	ms

(2) Programmable setpoints for each setting

2. Laser Specifications

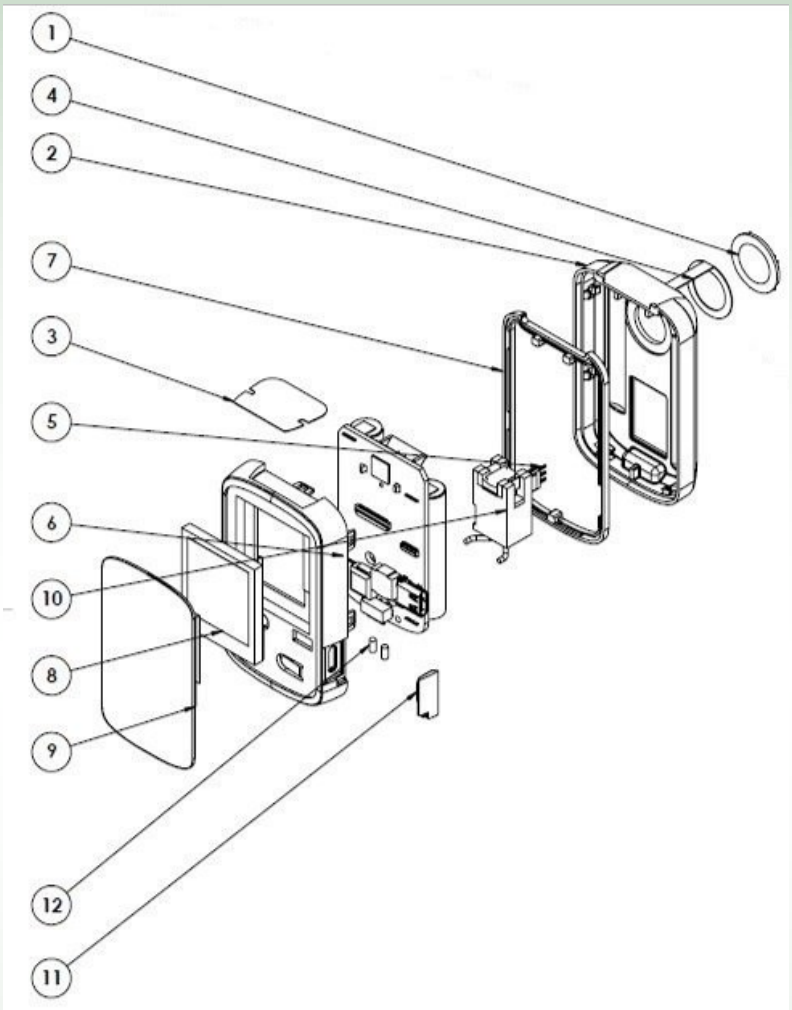
	Min	Max	Units
General			
Dimensions	71 x 44 x 23		mm
	3 x 1.7 x 1		inches
Operating Temperature	0	40	C
Storage Temperature	-10	60	C
Current draw while idle		<10	mA
Current draw while off		<2	mA
Power on wait time		1.5	sec

CW Operation	Min	Max	Units
Laser Current			
Range	0	7,000	mA
Resolution	50		mA
Accuracy	50		+/- mA
Noise/Ripple		175	mA
Compliance Voltage	1	3.3	V

Programming

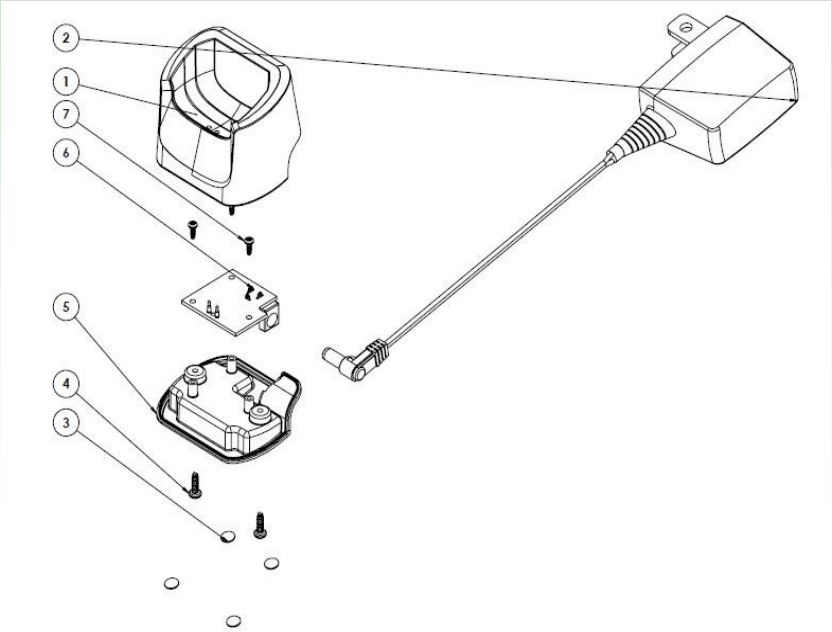
Stock Program Modes / Parameters		
Current Level	0 to 7	A
Burst Pulse Width	0 to 32000	ms
Burst Pulse Frequency	0 to 500	Hz
Number of Pulses per Burst	0 to 32000	
Auto-Delay Between Burst Cycles	0 to 32000	ms
Number of Cycles per Trigger	1 to 160000	

3. Laser Design



1 Window
2 Bottom housing
3 Manufacturing label
4 capacitive sensor
5 Heater
6 Veralase control board
7 Gasket
8 LCD
9 Membrane panel
10 Laser engine
11 USB plug
12 Charging pin

4. Dock Station Design



1 Dock top
2 Charger
3 Dock bumper
4 Dock fixture screw
5 Dock bottom
6 Dock Control board
7 Dock internal screw