



QSLW786 Series 786nm Passively Q-Switched Laser System up to 20uJ

Overview

The QSLW786 series diode pumped solid state (DPSS) passively Q-switched UV laser is ideal for applications that require a wavelength of 786nm and energy levels up to 20uJ. The laser is constructed with features of FDA compliance, ultra-compactness, long lifetime, and easy operation. The laser is widely used in measurement, communication, spectrum analysis, and many other applications.



Specifications

Model Number	QSLW786-XYP	
Wavelength (nm)	786±1	
Operating mode	Passively Q-switched	
Single pulse energy (µJ)	~10 (X=10), ~20 (X=20)	
Average power stability (rms, over 4 hours)	<5% (P=A), <3% (P=E)	
Pulse duration (ns)	~30	
Peak power (W)	Peak Power (W) = Single Pulse Energy (µJ) / Pulse Duration (µs)	
Repetition rate (Hz)	10	
Average power (mW)	Average power (mW) = Single pulse energy (µJ) * Rep. rate (kHz)	
Beam diameter at aperture (1/e ² , mm)	~2.5	
Beam divergence, full angle (mrad)	<3	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	111.5	
Operating temperature (°C)	15-30	
Dimensions of laser head (mm)	421(L)×214(W) ×160(H) mm ³	
Weight of laser head (kg)	8.5 kg	
Power supply options		
High Power W Version Elite Power Supply (Y=W)	Input voltage	90-264VAC
	Dimensions	307(L) x168(W) x123(H) mm ³
	Weight	4.5 kg
	Notes	Fixed output power
Expected lifetime (hours)	10,000	
Warranty	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

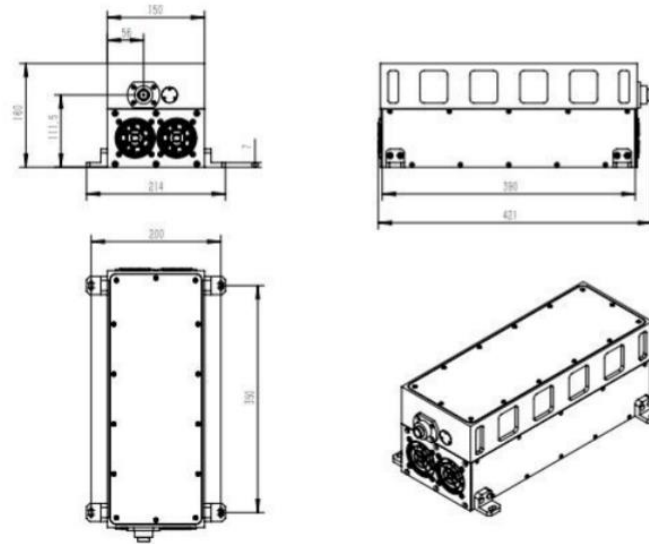
Remarks:

- Specifications of the Q-switched pulsed laser is based on the laser pulsed at the specified repetition rate. If the laser is run at a different repetition rate, the output characteristics may change.

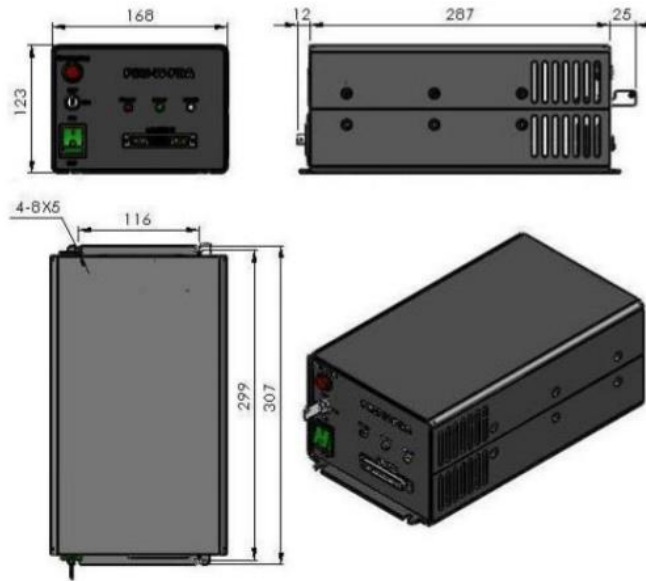


Outline Dimensions (unit: mm)

Laser Head



Power Supply



Note: The above specifications are subject to change without notice.