

1535nm Er-Glass Pulsed Laser Module

Model: LSPL153M-200u-4n-10H

V4.2 Sam 2023-01-01

1.Features

- Compact size, High reliability, Low power consumption
- Eye-safe
- Semiconductor pump, passive Q-switch
- Single pulse energy greater than 200μJ
- Laser head with driver

2.Applications

- Laser range finder
- Lidar
- Altimetry
- Remote Sensing
- Science analysis and experiment

3.Picture



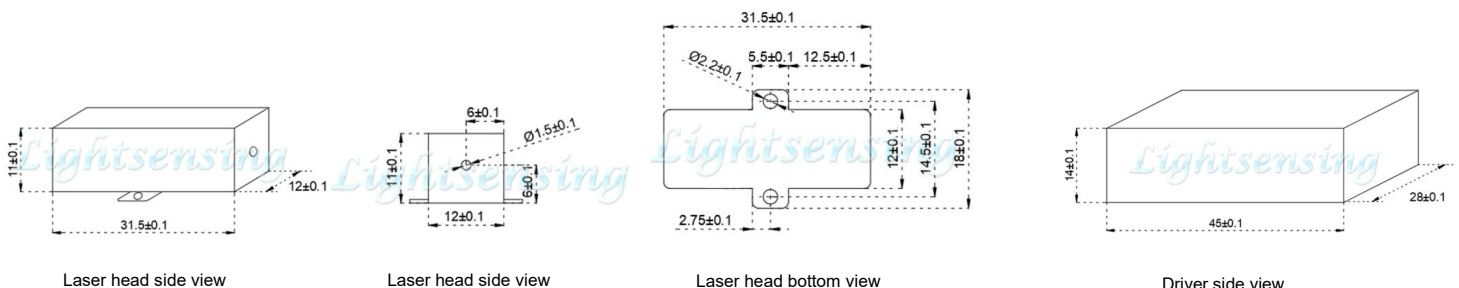
4.Absolute maximum ratings:

Parameter	Symbol	Value	Unit
Operating temperature	Top	-20~+55	°C
Storage temperature	Tstg	-40~+65	°C

5.Characteristics: (T=23±2°C)

Parameter	Conditions	Min	Typ.	Max	Unit
Wavelength			1535		nm
Pulse Energy			200		uJ
Pulse Width		3	4	5	ns
Peak Power	4ns, 10HZ		5		KW
Pulse Repetition Frequency			10	20	HZ
Pulse Energy Stability			3%		
Beam Diameter	At output window, 1/e2		0.2		mm
Beam Divergence	Full angle, 1/e2		12		mrاد
Beam Quality (M2)			1.5		
Transmitter Lifetime			100		million shots
Power supply voltage DC		5.0		5.04	V
Power supply current DC			0.5	0.7	A
Trigger signal level			5		V
Trigger signal width		1	1.2	1.5	ms
Laser Head Dimensions	(L)31.5×(W)12×(H)11				mm
Driver Dimensions	(L)45X(W)28X(H)14				mm

6.Dimensions



7.Precautions !

- 1: The above product specifications are subject to change without notice.
- 2: Suitable ESD protecting measures are recommended in storage, transportation and use.

