

660nm Nd:YAG q-switched nanosecond laser ML Microchip laser system



DESCRIPTION

660nm laser is one of the series of solid state laser provided by ULaser. Its light mode is TEM₀₀. ULaser use Nd:YAG crystal as its active medium. Combined with phase matching principle, it emit 660nm red light. Bonding crystal of laser crystal and passively q-switched crystal leads to 2.5ns microchip laser design.

Our 660nm laser has pure output with little stray light. And it has high polarization direction stability. Integrated design makes the our 1319nm laser become more compact to adapt more diversified applications.

Our 660nm laser has wide applications in many fields. It can be used in photodynamic medicine, environment monitoring systems, laser lighting display, etc.

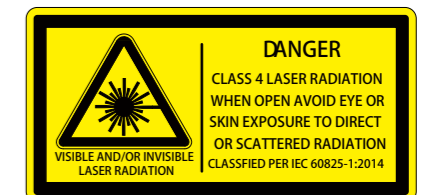
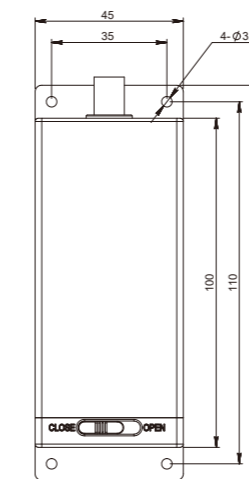
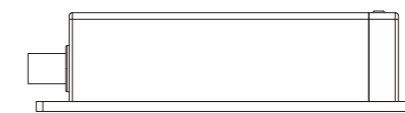
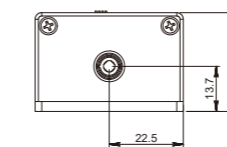
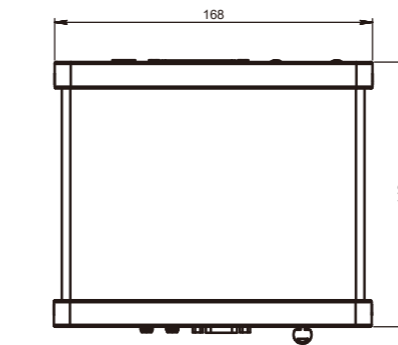
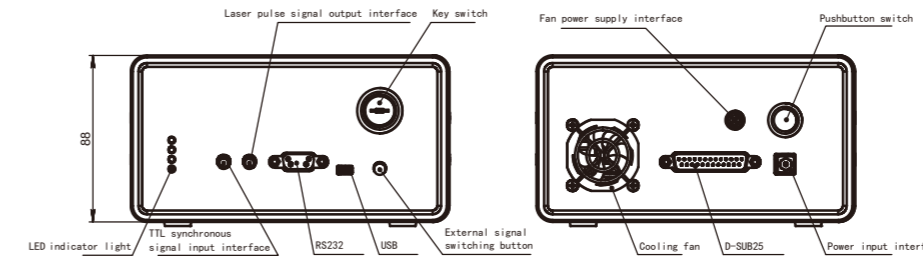
FEATURES

- The pulse width can reach 2.5ns
- Pulse energy up to 50μJ
- Maximum repetition rate up to 2kHz
- Beam mode is TEM₀₀
- Fully sealed design, high reliability
- High polarization direction stability

APPLICATIONS

- Photodynamic medicine
- Environmental monitoring
- Laser remote sensing
- Lidar
- Spectroscopy
- Laser display

OUTLINE SIZE(mm)



PARAMETERS

Model	UL660-0.1KHz-10μJ-ML001	UL660-1KHz-6μJ-ML002	
Optical parameter	Wavelength(nm)	660	660
	Repetition frequency (KHz)	0.1*	1*
	Average power(mW)	1	6
	Output energy(uJ)	10	6
	Pulse width (ps)	2000	2000
	Power stability (8h)	±3%	±3%
	Beam mode	TEM ₀₀	TEM ₀₀
	Full-angle divergence angle Typ. (Mrad) level @1/e ²	6	6
	Full-angle divergence angle Typ. (Mrad) Vertical @1/e ²	6	6
System parameters	Polarization characteristics	> 100:1	> 100:1
	power input	100-240 VAC,50/60Hz	100-240 VAC,50/60Hz
	Control interface	RS232、USB	RS232、USB
	System power consumption (W)	≤20	≤45
	Power supply size (W × H × L, mm)	168×88×140	168×88×140
	Laser head size (W × H × L, mm)	45×30×120	45×30×120
	Working temperature (°C)	15-35	15-35
	Storage temperature (°C)	0-60	0-60

- * Side light emitting structure (non-marked products are central light emitting structure).
- The built-in beam expansion function can be customized to meet the requirements of small divergence Angle (less than 2mrad).

