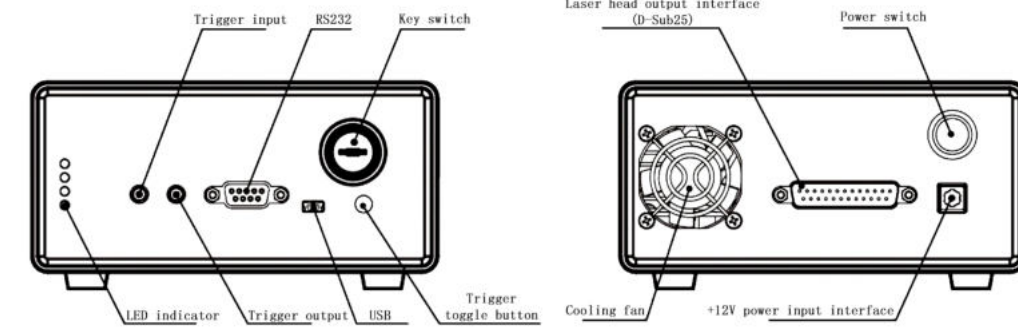


355nm Microchip Laser System of MH Series



OUTLINE SIZE(mm)

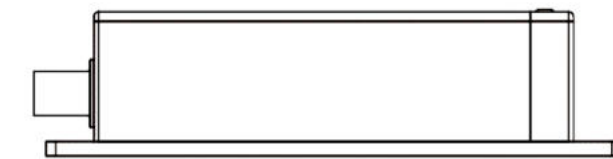
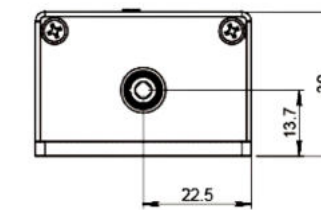


Main view of Driven

Rear view of Driven

DESCRIPTION

MH series high repetition rate microchip laser series can achieve high repetition rate while the pulse width is less than 300ps. The product is a passively Q-switched solid-state laser based on semiconductor pump, with stable energy, good beam quality and single longitudinal mode operation. The laser is designed with full seal, small size, convenient for user installation and integration. The system supports internal and external triggering and can be used for secondary development.

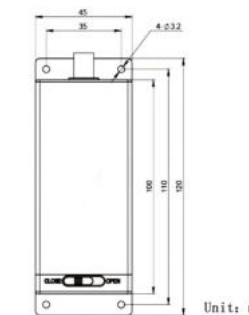


FEATURES

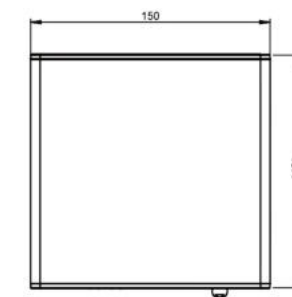
- Pulse energy up to 32μJ
- Maximum repetition frequency up to 20kHz
- Beam mode is TEM00

APPLICATIONS

- Seed source
- Micromachining
- Ultrasound imaging
- analytical chemistry
- Time-resolved Raman spectroscopy
- Biophotonics



Unit: mm



Top view of Driven



* Optical fiber pump for external pump source, power supply length: 200mm



PARAMETERS

Model	CL355-5KHz-2μJ-MH005	CL355-10KHz-2μJ-MH006	
Optical Parameter	Wavelength (nm)	355	355
	Repetition Frequency (kHz)	5	10
	Average Powe (mW)	10	20
	Output Energy (uJ)	2	2
	Pulse Width (ps)	300	300
	Power Stability (8h)	±3%	±3%
	Beam Mode	TEM ₀₀	TEM ₀₀
	Full-Angle Divergence Angle Typ. (Mrad) Level @ 1/e ²	< 4	< 5
	Vertical @ 1 / e ²	< 4	< 5
	Polarization Characteristics	> 100:1	> 100:1
System Parameter	Power Input	100-240 VAC,50/60Hz	100-240 VAC,50/60Hz
	Modulation Input	TTL0-5V,SMA interface	TTL0-5V,SMA interface
	Control Interface	RS232、USB	RS232、USB
	System Power Consumption (W)	< 35	< 40
	Power Supply Size (W × H × L, mm)	168×88×140/168×88×220*	168×88×140/168×88×220*
	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	

