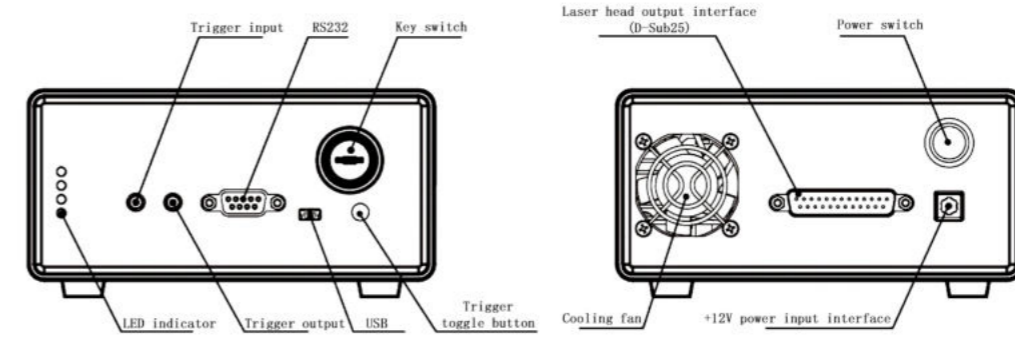


532nm Microchip Laser System of MG Series



OUTLINE SIZE(mm)

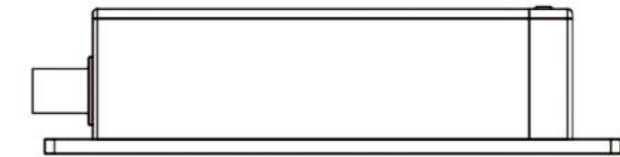
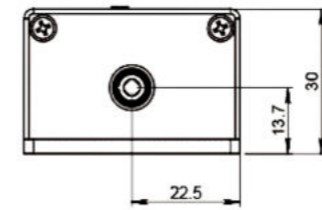


Main view of Driven

Rear view of Driven

DESCRIPTION

MG series high repetition rate microchip laser series is a semiconductor-pumped passive Q-switched solid-state laser with stable energy, narrow pulse width, good beam quality, and single longitudinal mode operation. This series of laser adopts hermetically sealed design, small size, easy installation and integration, and is widely used in the laser micromachining and analysis instrument industry. Our company can provide users with isolators and power amplification solutions that match the wavelength.

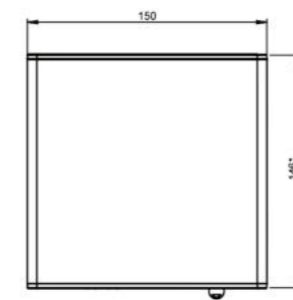
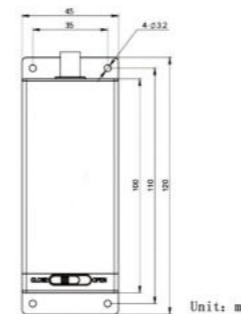


FEATURES

- Maximum repetition frequency up to 100KHz
- Pulse energy up to 2.5μJ
- Single longitudinal mode
- Beam mode is TEM00

APPLICATIONS

- Laser processing
- Seed source
- Analytical Instruments
- Biological photomolecule



Top view of Driven



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



PARAMETERS

Model	CL532-10KHz-1μJ-MG001	CL532-50KHz-0.8μJ-MG002	CL532-50KHz-2μJ-MG003	CL532-100KHz-0.5μJ-MG004	CL532-100KHz-1.5μJ-MG005	
Wavelength (nm)	532	532	532	532	532	
Repetition Frequency (kHz)	10	50	50	100	100	
Average Powe (mW)	10	40	100	50	150	
Output Energy (uJ)	1	0.8	2	0.5	1.5	
Optical Parameter	Full-Angle Divergence Angle Typ. (Mrad) Level @ 1/e2	<6	<10	<10	<12	<12
	Vertical @ 1 / e2	<6	<10	<10	<12	<12
	Pulse Width (ps)			500		
	Power Stability (8h)			±3%		
	Beam Mode			TEM00		
	Polarization Characteristics			> 100:1		
	System Power Consumption (W)	<20	<35	<40	<45	<45
	Power Input			100-240 VAC,50/60Hz		
	Modulation Input			TTL0-5V,SMA interface		
	Control Interface			RS232、USB		
System Parameter	Power Supply Size (W × H × L, mm)			168×88×140/168×88×220*		
	Laser Head Size (W × H × L, mm)			45×30×120		
	Working Temperature (°C)			15-35		
	Storage Temperature (°C)			0-60		

