515nm Microchip Laser System of MCJ Series





PARAMETERS

Model		CL515-100Hz-40	CL515-100Hz-40µJ-MCJ001 CL515-1KHz-40µJ-MCJ002 CL1515-2KHz-40µJ-MCJ003		
Optical Parameter	Wavelength (nm)	515	515	515	
	Repetition Frequency (kHz)	0.1	1	2	
	Average Powe (mW)	4	40	80	
	Output Energy (uJ)	40	40	40	
	Pulse Width (ns)	1	1	1	
	Power Stability (8h)	±3%	±3%	±3%	
	Beam Mode	TEM00	TEM00	TEM00	
	Full-Angle Divergence Angle Typ. (Mrad) Leve	l @ 1/e2 <4	<4	<5	
	Vertical @ 1 / e2	<4	<4	<5	
	Polarization Characteristics	racteristics		>100:1	
System Parameter	wer Input		100-240 VAC,50/60Hz		
	Modulation Input		TTLO-5V,SMA interface		
	Control Interface		RS232、USB		
	System Power Consumption (W)		<15		
	Power Supply Size (W \times H \times L, mm)		150×76×146		
	Laser Head Size (W \times H \times L, mm)		45×30×120		
	Working Temperature (℃)		15-35		
	Storage Temperature (℃)		0-60		

DESCRIPTION

MCJ series microchip laser is a passively Q-switched solid-state laser based on semiconductor pump. The laser pulse is pure without tail, the single pulse energy is stable and the beam quality is good. The integrated design of semiconductor pump module and laser crystal makes the compact laser head easy to install and integrate. The system supports internal and external triggering. This series of products include two wavelengths of 1030nm and 515nm. The fully sealed module inside the laser head can be used by customers for secondary development and application.

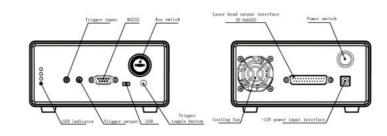
FEATURES

- Pulse width up to 1ns
- Pulse energy up to 100µJ
- Repetition frequency up to 2kHz
- Beam mode is TEM00

APPLICATIONS

- Material micromachining
- Spectrum detection
- Lidar
- Pump source
- Biomedical Science

OUTLINE SIZE(mm)



Main view of Driven

Rear view of Driven

