

1030nm Microchip Laser System of MJ Series



PARAMETERS

Model	CL1030-1KHz-100μJ-MJ008	CL1030-2KHz-80μJ-MJ009
Wavelength (nm)	1030	1030
Repetition Frequency (kHz)	1	2
Average Powe (mW)	100	160
Output Energy (uJ)	100	100
Pulse Width (ns)	1	1
Power Stability (8h)	±3%	±3%
Beam Mode	TEM00	TEM00
Full-Angle Divergence Angle Typ. (Mrad) Level @ 1/e2	<6	<8
Vertical @ 1 / e2	<6	<8
Polarization Characteristics	> 100:1	> 100:1
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)	< 15	< 25
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

DESCRIPTION

MJ 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 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)

