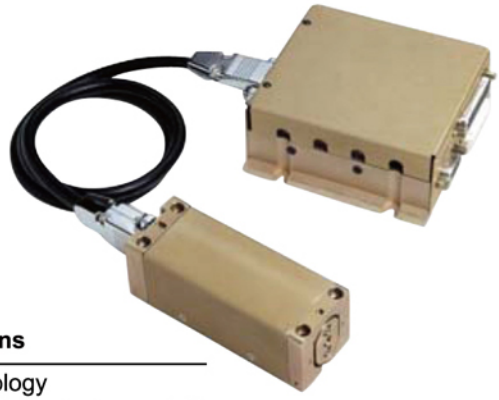
连续式固态激光器
Continuous Solid-State Laser

JDSU



连续式绿光固态激光器

Continuous Wave 532 nm Diode - Pumped Solid State Laser - CDPS532M

Key Features

- Compact
- Excellent performance-to-price ratio
- Low noise
- Excellent beam quality
- High reliability

Applications

- Biotechnology
- Semiconductor instrumentation
- Reprographics
- General instrumentation

Specifications

Parameter		Specification
Optical		
Wavelength		532 ± 1 nm
Output power	CDPS532M-010 CDPS532M-020 CDPS532M-050	10 mW 20 mW 50 mW
Power stability (2 hour,25±3 °C) *1		<1.0%
Mode quality M^2		<1.2
Beam diameter ($1/e^2$ point)		0.6 mm ±10%
Beam divergence (full angle)		<1.2 mrad
Polarization ratio (E-vector is vertical)		>100:1
Noise (rms, 20 Hz to 2 MHz)		<0.5%
Ellipticity		<10%
Pointing stability (2 h,25 ± 3 °C) *1		± 30 μrad
Static alignment *2	Beam position Beam angle	± 0.25 mm ± 1.0 mrad
Environmental		
Base plate temperature	Operating Non-operating	10 to 45 °C 0 to 60 °C
Shock (11 ms duration)	Operating Non-operating	1 g 25 g
Vibration (sinusoidal,5 to 500 Hz)	Operating Non-operating	0.3 g 2 g
Heat sink requirements	Surface flatness Torque specification	25 um 0.5 Nm

*1. After warm-up.
*2. Specified for bottom-down mounting;same specifications can be applied to upside-down mounting upon request.

上海方全光電儀器有限公司
Rapitech Enterprise Co.,Ltd.
200433上海市杨浦区大学路281号802室
Tel:021-3536-0226 Fax:021-3536-0219
E-mail : rapitech500@gmail.com www.rapi-tech.com