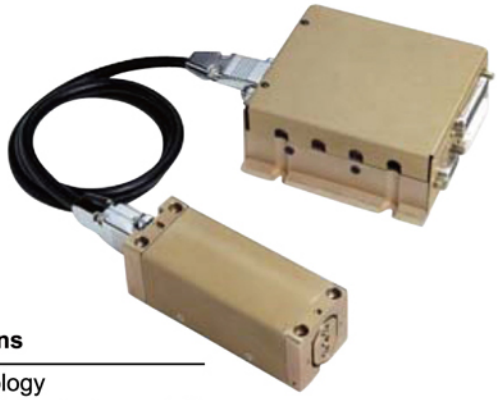
連續式固態雷射
Continuous Solid-State Laser

JDSU



連續式綠光固態雷射

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	10 mW
	CDPS532M-020	20 mW
	CDPS532M-050	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	± 0.25 mm
	Beam angle	± 1.0 mrad
Environmental		
Base plate temperature	Operating	10 to 45 °C
	Non-operating	0 to 60 °C
Shock (11 ms duration)	Operating	1 g
	Non-operating	25 g
Vibration (sinusoidal,5 to 500 Hz)	Operating	0.3 g
	Non-operating	2 g
Heat sink requirements	Surface flatness	25 um
	Torque specification	0.5 Nm

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

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