532nm single longitudinal mode laser

OEMSL-III-532-AOM

High frequency modulated laser system has such characteristics as quick modulation rate, high extinction ratio, easy coding and convenient use. Laser modulation frequency of this laser system can be up to 1MHz, It is mainly used in such fields as laser text-image processing , laser lithography, laser Phototypesetting, and laser digital communication. It is suitable for OEM system integration and scientific research laboratories etc..

Features

- Output Power up to 100mW
- TEC cooling system
- Single longitudinal mode
- Modulation frequency > 1 MHz
- Best reliability and lifetime
- Coherent length more than 50m

Application

- DNA sequencing
- Flow cytometry
- Cell sorting
- Optical instrument
- Spectrum analysis
- Interference measurement
- Holography
- Physics experiment

Options

- Fiber coupling lasers
- RGB lasers
- Line lasers
- Single longitudinal lasers

Specification

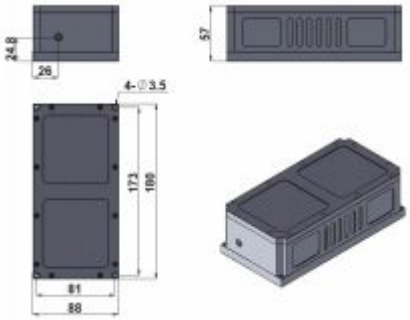
Wavelength（nm）	532±1
Output power（mW）	>1, 5, 10, 20, … , 100
Transverse mode	Near TEM_{00}
Longitudinal mode	Single
M^2 factor	＜1.3
Power stability (rms over 4 hours)	＜1%, <3%, <5%
Operating mode	CW
Beam divergence, full angle (mrad)	＜1.2
Beam diameter at the aperture (mm)	~1.5
Optical Noise (rms,1~20MHz)	＜0.5%
Spectral linewidth (nm)	＜0.00001
Beam height from base plate (mm)	24.8
Coherent length (m)	>50
Operating temperature (℃)	15~35
Power supply (90-264VAC)	PSU-III-FDA-AOM
Modulation	＞1 MHz
Expected lifetime (hours)	10000
Warranty	1 year

Oelabs Inc.
Add: 1265. Ouimet, app.10, Montreal Q.C.Canada H4L 3P8
www.oelabs.com Email: sales@oelabs.com

OEMSL-III-532-AOM

190(L)×89(W) ×57(H) mm³, 1.6kg

Dimension



PSU-III-FDA-AOM

290 (L) ×148(W) ×94 (H) mm³, 2.3 kg

Dimension

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