

473, 532 or 671 nm > 1 MHz Modulation DPSS Laser MBL-III-XXX-AOM

Model #: MBL-III-XXX-AOM

Description: DPSS laser at 473, 532 or 671 nm MBL-III-XXX-AOM features TEC cooling system, single longitudinal mode, > 1MHz acoustic optical modulation, compact, long lifetime and high reliability



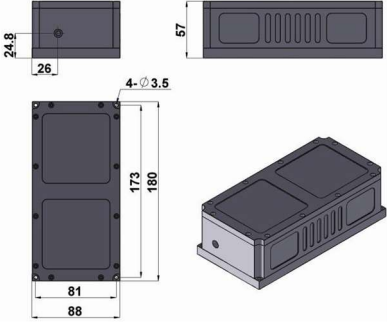
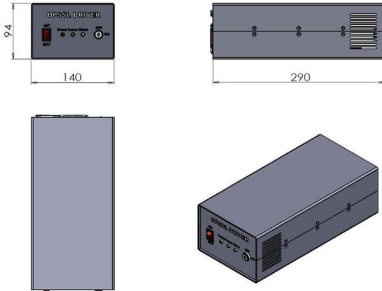
Application: DNA sequencing. Flow cytometry, cell sorting, optical; instrument, spectrum analysis, interferometer, holography, physics experiment

Specifications

Wavelength (nm)	473 ± 1	532 ± 1	671 ± 1
Output Power (mW)	>1, 10, 20,...,50	>1, 10, 20,...,150	>1, 10, 20,...,100
Power Stability (rms, over 4 hours)	< 1%, <3%, 5%		
Transverse Mode	Near TEM00		
Operating Mode	CW		
M ² Factor	<1.5		
Beam Divergence, Full Angle (mrad)	<1.5		
Beam Diameter at the aperture 1/e ² (mm)	~3.0		
Polarization Extinction Ratio	>100:1 (0 or 90 degree)		
Warm-up Time (minutes)	<10		
Pointing Stability after warm-up (mrad)	< 0.05		
Beam Height from Base Plate (mm)	24.8		
Operating Temperature (C°)	10 ~ 35		
Power Supply (90-264VAC)	PSU-III-FDA-AOM		
Modulation	>1 MHz		
Expected Lifetime (hours)	10000		
Warranty Period	1 year		

Ordering Information: MBL-III-XXX-A-B

XXX - wavelength	A: maximum output power	B: power stability
473 – 473 nm	1 - 50 mW	1 – 1%
532 – 532 nm	80 - 80 mW	3 – 3%
671 – 671 nm	100 - 100 mW	5 – 5%
	150 - 150 mW	

<p style="text-align: center;">MxL-III-473</p>  <p style="text-align: center;">140. 8(L)×73(W) ×46. 2(H) mm³, 0.6kg</p>	<p style="text-align: center;">PSU-III-LCD <i>High stability!</i></p>  <p style="text-align: center;">153 (L) ×155(W) ×92 (H) mm³, 1.4kg</p>
<p style="text-align: center;">Laser head</p> 	<p style="text-align: center;">PSU-III-FDA</p> 
<p style="text-align: center;">MxL-III-XXX-AOM</p>	<p style="text-align: center;">PSU-III-FDA</p>

