

Opto Engine LLC

Data sheet

Rev. 0912

MSL-III-473/1~100mW

SINGLE LONGITUDINAL MODE BLUE LASER AT 473 nm

All solid state single longitudinal mode blue laser at 473 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	473±1
Output power (mW)	>1, 5, 10, ..., 100
Transverse mode	TEM ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<3%, <5%
Warm-up time (minutes)	<10
M ² factor	<1.2
Beam divergence, full angle (mrad)	<1.2
Beam diameter at the aperture (mm)	~2.0
Beam height from base plate (mm)	24.8
Polarization ratio	>100:1 (0 or 90 degree)
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 1~20MHz)	<0.5%
Coherent length (m)	>50
Operating temperature (°C)	10~35
Power supply (90-264VAC or 5V DC)	PSU-III-FDA
Modulation	Modulation isn't available.
Expected lifetime (hours)	10000
Warranty period	1 year



MxL-III-473	Dimension	PSU-III-FDA	Dimension
<p>140.8(L)×73(W)×46.2(H) mm³, 0.6kg</p>		<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	