

MLL-III-457/1~10mW

### LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state 457nm low noise laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, laser printing, interference, holography, laser printing, chip inspection, physics experiments, etc.



### SPECIFICATIONS

Wavelength (nm)	457±1	
Output power (mW)	>1, 2, 3, ...,10	
Transverse mode	TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<5%	
Warm-up time (minutes)	<15	
M <sup>2</sup> factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
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)	<3%	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-457	PSU-III-FDA	PSU-III-OEM
<p>140. 8(L)×73(W) ×46. 2(H) mm<sup>3</sup>, 0.6 kg</p>	<p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2 kg</p>	<p>100 (L) ×60(W) ×56 (H) mm<sup>3</sup>, 0.2 kg</p>