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## DATA SHEET

### LOW NOISE INFRARED LASER AT 1064nm

All solid state low noise infrared laser at 1064nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis,, etc.



**Model: MLL-III-1064/1~1500mW**

Wavelength ( nm )	1064 ± 1nm		
Output Power ( mW )	>100, 200, 300, ..., 1500		
Laser crystal	Nd: YVO <sub>4</sub>		
Transverse Mode	TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at 1/e <sup>2</sup> (mm)	~1.5		
Beam height from base plate (mm)	24.8		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
Expected lifetime (hours)	10,000		
Warranty period	1 year		

MxL-III-1064	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>140.8(L) × 73(W) × 46.2(H) mm<sup>3</sup>, 0.6kg</p>	<p>133 (L) × 130(W) × 65 (H) mm<sup>3</sup>, 1.2kg</p>	<p>154 (L) × 155(W) × 95 (H) mm<sup>3</sup>, 1.5 kg</p>	<p>100 (L) × 62(W) × 56 (H) mm<sup>3</sup>, 0.2 kg</p>