



MLL-III-556/1~80mW

**LOW NOISE YELLOW GREEN LASER AT 556nm**

Low noise yellow green laser at 556nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



**SPECIFICATIONS**

Wavelength (nm)	556±1		
Operating mode	CW		
Output power (mW)	>1, 5, 10, 20, ... , 80		
Power stability (rms, over 4 hours)	<5%, <10%		
Transverse mode	Near TEM <sub>00</sub>		
Noise of amplitude (rms, 20Hz~20MHz)	<3%, <5%		
M <sup>2</sup> factor	<1. 2		
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~1.2		
Beam divergence, full angle (mrad)	<1. 5		
Polarization ratio	>100:1, Vertical ±5 degree (Horizontal Optional)		
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 or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-556	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.6kg</p>	<p>153 (L) × 155 (W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>133 (L) × 130 (W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>94 (L) × 75 (W) × 49 (H) mm<sup>3</sup>, 0.23kg</p>