

MIL-III-1177/1~150mW

### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1177nm



All solid state infrared laser at 1177nm 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.



#### SPECIFICATIONS

Wavelength (nm)	1177±1		
Output power (mW)	>1,5,10...150		
Transverse mode	TEM <sub>00</sub>		
Operating mode	CW		
Power Stability (rms,over 4 hours)	<3%,<5%		
Warm-up Time (minutes)	<10		
M <sup>2</sup> factor	<1.5		
Beam divergence,full angle (mrad)	<1.5		
Beam Diameter at the aperture (mm)	~1.5		
Beam height from base plate (mm)	24.8		
Pointing stability after warm-up (mrad)	<0.05		
Polarization ratio	> 100:1 (vertical)		
Operating temperature(°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-1177	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 <p>140. 8(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) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	 <p>100 (L) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>
