



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 ₀₀	
Operating mode	CW	
Power Stability (rms, over 4 hours)	<3%, <5%	
Warm-up Time (minutes)	<10	
M ² 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
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) mm³, 0.6kg</p>	<p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	<p>100 (L) ×62(W) ×56 (H) mm³, 0.2kg</p>