



MIL-H-1177/150~400mW



**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±2
Output power (mW)	>150, 200...400
Power stability (rms, over 4 hours)	<3%, <5%, <10%
Transverse mode	TEM <sub>00</sub>
Operating mode	CW
Warm-up time (minutes)	<10
M <sup>2</sup> factor	<2.0
Beam divergence, full angle (mrad)	<2.0
Beam diameter at 1/e <sup>2</sup> (mm)	~3.0
Beam height from base plate (mm)	29
Pointing stability after warm-up (mrad)	<0.05
Polarization ratio	>100:1
Operating temperature (°C)	10~35
Power supply (90-264VAC or 5VDC)	PSU-H-LED/PSU-H-FDA/PSU-H-OEM
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option
Expected lifetime (hours)	10000
Warranty	1 year



MIL-H-1177	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>154.5(L)×77(W) ×60(H) mm<sup>3</sup>, 0.9 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>	<p>245.5 (L) ×146(W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p>