

Opto Engine LLC

Data sheet

Rev. 0912

MIL-W-1342/3000~6000mW

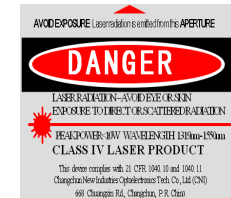
LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1342nm

All solid state infrared laser at 1342nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	1342 ± 1	
Output power (mW)	>3000, 3100, 3200, ..., 6000	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<10	
M ² factor	3.0~6.0	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (mm)	~5.0	
Beam height from base plate (mm)	93.5	
Polarization ratio	>100:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED	PSU-W-FDA
TTL modulation/ Analog modulation	Optional, 2kHz or higher (others on request, up to 30kHz)	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-W-1342	PSU-W-LED	PSU-W-FDA
<p>333(L)×140(W)×125(H) mm³, 6.1 kg</p>	<p>300 (L) ×162(W) ×134(H) mm³, 5.2 kg</p>	<p>307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>