

Opto Engine LLC

Data sheet

Rev. 0912

MIL-H-1313/500~1000mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1313 nm

All solid state infrared laser at 1313 nm 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)	1313 ± 1		
Output power (mW)	>500, 600, 700, ..., 1000		
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	<2.0		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (mm)	~3.0		
Beam height from base plate (mm)	29		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
TTL modulation/ Analog modulation	Optional, 2kHz or higher (others on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-H-1313	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
155(L) × 77(W) × 60(H) mm ³ , 0.9 kg	240 (L) × 146(W) × 108 (H) mm ³ , 2.6 kg	238 (L) × 146(W) × 102 (H) mm ³ , 2.3 kg	238 (L) × 146(W) × 94 (H) mm ³ , 2.2 kg