

Opto Engine LLC

Data sheet

Rev. 0912

MRL-H-671/400~1200mW

SPECIFICATIONS

LD PUMPED ALL-SOLID-STATE RED LASER AT 671nm

All solid state 671nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in optical instrument, spectrum analysis, interference, measurement, medicine diagnosis, chip inspection, scientific experiment, etc.



Wavelength (nm)	671 ± 1		
Output power (mW)	>400, 450, 500, ..., 1200		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%, 10%		
Warm-up time (minutes)	<10		
M ² factor	<2.0		
Beam divergence, full angle (mrad)	<1.5		
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 / Analog modulation	Optional, 2kHz or higher (on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-H-671	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>155(L)×77(W)×60(H) mm³, 0.9 kg</p>	<p>240 (L) ×146(W) ×108 (H) mm³, 2.6 kg</p>	<p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>	<p>238 (L) ×146(W) ×94 (H) mm³, 2.2 kg</p>