



MRL-FP-639/2500~4000mW

**LD PUMPED ALL-SOLID-STATE  
RED LASER AT 639nm**

All solid state 639nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and laser lighting show etc.



SPECIFICATIONS

Central wavelength (nm)	639±1
Operating mode	CW
Output power (mW)	>2500, ...4000
Power stability (rms, over 4 hours)	<2%, <3%, <5%
Transverse mode	Near TEM <sub>00</sub>
M <sup>2</sup> factor	<2.0
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.5
Beam divergence, full angle (mrad)	<1.5
Warm-up time (minutes)	<10
Beam height from base plate (mm)	27.4
Cooled method	Water Cooled
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA
Expected lifetime (hours)	10000
Warranty	1 year



Note: The laser head must be used on a water cooling system.

MRL-FP-639	PSU-H-LED	PSU-H-FDA	Water Chiller(WCH-600)
<p>149(L)×70(W)×50(H) mm<sup>3</sup> 195(L)×107(W)×56.5(H) mm<sup>3</sup></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>270(L) ×320(W) ×330(H) mm<sup>3</sup>, 18 kg</p>