

Opto Engine LLC

Data sheet

Rev. 1812

MDL-HD-637/640/642/1400-2000mW



**RED DIODE LASER
AT 637/640/642nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	637±5/ 640±5/ 642±5
Operating mode	CW
Output power (mW)	>1400, 1500, ..., 2000
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Polarization direction	Horizontal+ Vertical
Beam diameter at the aperture (1/e ² , mm)	~3.5×4
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	68.2
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-H-LED/ PSU-H-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Expected lifetime (hours)	10000
Warranty	1 year



MDL-HD-637/640/642	PSU-H-LED	PSU-H-FDA
<p>186(L)×117(W)×93.5(H) mm³, 3.8kg</p>	<p>277 (L) ×145(W) ×106(H) mm³, 2.3kg</p>	<p>275 (L) ×145(W) ×104(H) mm³, 2.1kg</p>