

# Opto Engine LLC

## Data sheet

Rev. 1812

**MRL-H-622/1~50mW**



### RED DIODE LASER AT 622nm

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)	622±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20, ..., 50	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Multimode	
Beam diameter at the aperture (mm)	~10×10	
Beam divergence, full angle (mrad)	<5	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	29	
Operating temperature (°C)	25	
Power supply (100-240VAC)	PSU-III-LED	PSU-III-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MRL-H-622	PSU-III-LED	PSU-III-FDA
<p>160 (L) × 77(W) × 60 (H) mm<sup>3</sup>, 0.9kg</p>	<p>188.6 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>171 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>