

Opto Engine LLC

Data sheet

Rev. 1609

OEM-W-671/3~5W

LD PUMPED ALL-SOLID-STATE RED LASER

All solid state 671 nm red laser is made features of ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting



SPECIFICATIONS

Wavelength (nm)	671±1
Operating mode	CW
Output power (W)	>3, 3.5, ..., 5
Power stability (rms, over 4 hours)	<3%, <5%, <10%
Transverse mode	Near TEM ₀₀
M ² factor	3.0~6.0
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e ² ,mm)	~4.5
Polarization ratio	>100:1
Warm-up time (minutes)	<10
Beam height from base plate (mm)	34
Operating temperature (°C)	22.5+/-2.5
Driver (18VDC 20A)	PSU-OEM-W
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional
Expected lifetime (hours)	10000
Warranty time	1 year



Note: The laser needs to be used on a heat sink with good heat dissipation.

OEM-W-671	PSU-OEM-W	Accessory (Power supply 100-240VAC)
<p>340 (L) x 80 (W) x 59 (H) mm³, 2.8kg</p>	<p>204 (L) x 112 (W) x 37 (H) mm³, 0.7kg</p>	<p>212 (L) x 107 (W) x 49 (H) mm³, 1.0kg</p>