



- ◆ 1000 ~ 1500 mW Output
- ◆ Low Divergence, High Stability
- ◆ Diode pumped, QCW

System Specifications		QIRL1064-1	QIRL1064-1.5
Wavelength		1064nm	1064nm
Output Power		1000 mW	1500 mW
Pulse Width (ns)		~10	~10
Rep. Rate		Up to 5KHz	Up to 5KHz
Beam Diameter <sup>1</sup>		~3 mm	~3 mm
Transverse mode		Near TEM00	Near TEM00
Beam Quality (M <sup>2</sup> )		M <sup>2</sup> ≤ 1.5	M <sup>2</sup> ≤ 1.5
Beam divergence <sup>2</sup>		≤ 2.0 mrad	≤ 2.0 mrad
Beam Height		29 mm	29 mm
Power stability <sup>4</sup>		<1%; 3%; 5% @ 4 hours	<1%; 3%; 5% @ 4 hours
Warm-up time		<10 minutes	<10 minutes
Expected lifetime		10,000 hours	10000 hours
Warranty time		1 years	1 years
Operating temperature		10-35°C	10-35°C
Power supply		90-260 VAC	90-260 VAC
Control Interface	Laser power control	0-5V Analog signal	
	Optic shutter control	TTL	
Dimensions (L×W×H)	Laser Head	155 × 77 × 60 mm	155 × 77 × 60 mm
	Power Supply	238 × 146 × 102 mm	238 × 146 × 102 mm
Weights	Laser Head	0.9 Kg	0.9 Kg
	Power Supply	2.3 Kg	2.3 Kg

**Note:**

All performance specifications guaranteed at specified output power only.

1 1/e<sup>2</sup> at exit port.

2 Full-angle divergence.

3 Measured as far-field x and y positions over a 25°C to 35°C temperature change.

4 Measured over 4 hours after 15 minute warm-up.

# 1064nm

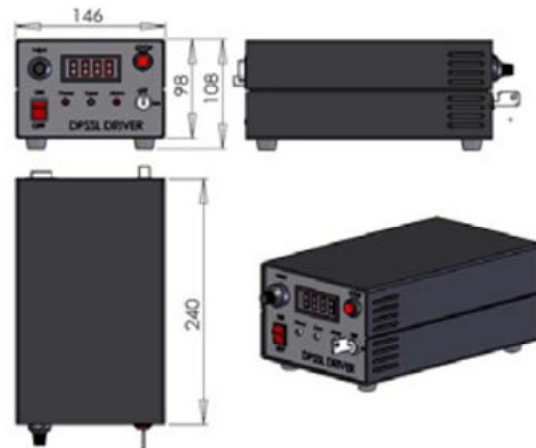
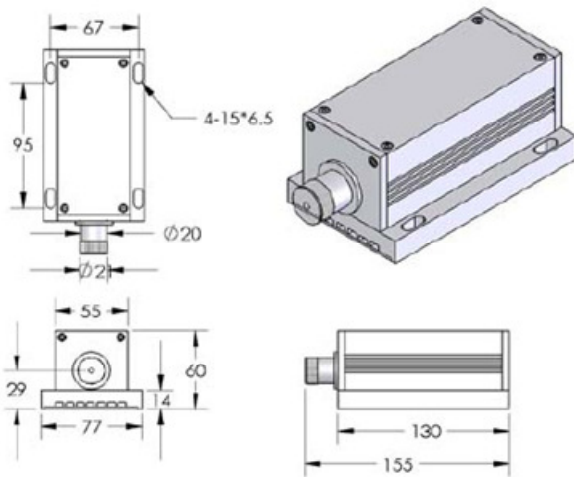
# Mid-Power Infrared Lasers



155(L)×77(W)×60(H) mm<sup>3</sup>, 0.9 kg



240 (L) ×146(W) ×108 (H) mm<sup>3</sup>, 2.6 kg



All Dimensions are in mm

Laser Lab Components, Inc. (LLCI) follows a policy of continuous product improvement. Specifications are subject to change without notice.

LLCI offers a limited warranty for all UV™ systems. For full details on warranty coverage, please refer to the Service and Support section at [www.LaserLabComponents.com](http://www.LaserLabComponents.com), or contact your local Sales or Service Representative.

VISIBLE AND INVISIBLE LASER RADIATION.  
AVOID EYE OR SKIN EXPOSURE  
TO DIRECT OR SCATTERED RADIATION.  
CLASS 4 LASER PRODUCT

λ	MAX PEAK POWER
0.26-0.27 μm	50 mW
0.25-0.36 μm	100 mW
0.52-0.54 μm	200 mW
1.05-1.07 μm	250 mW

DANGER