



50 ~ 100W Output

Low Divergence, High Stability

Diode pumped, Q-Switched, Water-Cooled

System Specifications		QJRL1319-50	QJRL1319-100
Wavelength		1319nm	1319nm
Repetition Rate		5-20KHz	5-20KHz
Pulsewidth		100-300ns	100-300ns
Output Power		50W	100W
Beam Diameter ¹		3.0 mm	4.0 mm
Transverse mode		Near TEM ₀₀	Near TEM ₀₀
Beam divergence ²		≤4.0 mrad	≤5.0 mrad
Point stability ³		<0.05mrad	<0.05mrad
Polarization ratio		>100:1	>100:1
Power stability ⁴		5% @ 4 hours	5% @ 4 hours
Warm-up time		5minutes	5minutes
Expected lifetime		10000 hours	10000 hours
Warranty time		1 year	1 year
Operating temperature		10-35°C	10-35°C
Power supply		200-260VAC	200-260VAC
Power Consumption		1000W	2000W
Dimensions (L×W×H)	Laser Head	720×200×120mm	720×200×120mm
	Power Supply	420×500×240mm	420×500×500mm
Weights	Laser Head	10Kg	15Kg
	Power Supply	30Kg	50Kg

Note:

All performance specifications guaranteed at specified output power only.

1 1/e² 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.

1319nm

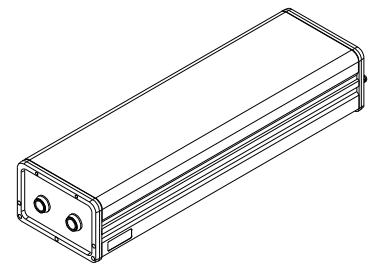
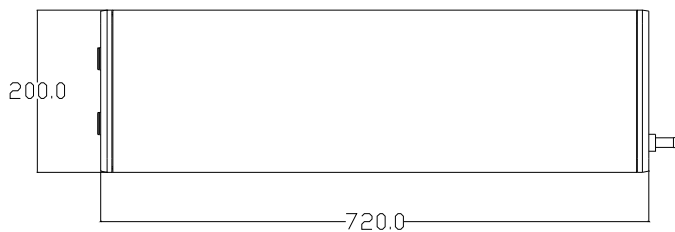
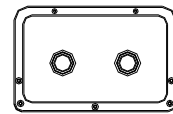
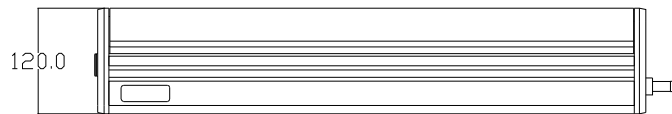
High Power Infrared Lasers



This 1319 nm Infrared HK CW Laser is a Diode-Pumped Solid-State Laser with compacted, rugged and Water-cooled geometry.

This laser has features as ultra compact, long lifetime, low cost and easy to operate, which is used in Collimation, Laser display, Optics instrument, Laser show, Laser medical treatment, Scientific experiments, etc.

Laser Head



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 HK™ systems. For full details on warranty coverage, please refer to the Service and Support section at www.LaserLabComponents.com, or contact your local Sales or Service Representative.

