



3W ~ 10W Output

Low Divergence, High Stability

Diode pumped, Air-Cooled

System Specifications		IRL1030-3	IRL1030-5	IRL1030-10
Wavelength		1030nm	1030nm	1030nm
Output Power		3 W	5 W	10 W
Beam Diameter ¹		1.2 mm	1.2 mm	1.2 mm
Transverse mode		TEM ₀₀	TEM ₀₀	TEM ₀₀
Beam divergence ²		<1.0 mrad	<1.2 mrad	<1.2 mrad
M ² factor		M ₂ ≤1.2	M ₂ ≤1.2	M ₂ ≤1.2
Spectral linewidth		<0.1cm ⁻¹	<0.1cm ⁻¹	<0.1cm ⁻¹
Point stability ³		<0.05mrad	<0.05mrad	<0.05mrad
Polarization ratio		>100:1	>100:1	>100:1
Power stability ⁴		3% @ 4 hours	3% @ 4 hours	3% @ 4 hours
Warm-up time		5minutes	5minutes	5minutes
Expected lifetime		10000 hours	10000 hours	10000 hours
Warranty time		1 year	1 year	1 year
Operating temperature		10-35°C	10-35°C	10-35°C
Power supply		80-260VAC	80-260VAC	80-260VAC
Power Consumption		100W	200W	300W
Dimensions (L×W×H)	Laser Head	160×60×50mm	320×120×120mm	320×120×120mm
	Power Supply	194×160×90mm	420×360×80mm	420×360×80mm
Weights	Laser Head	0.38Kg	3Kg	3Kg
	Power Supply	1kg	5kg	5kg

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.

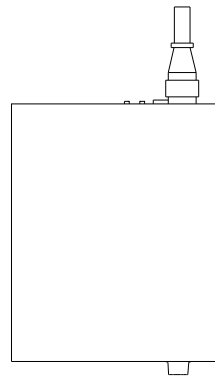
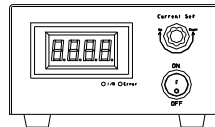
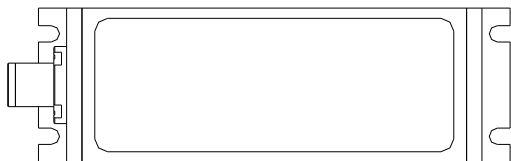
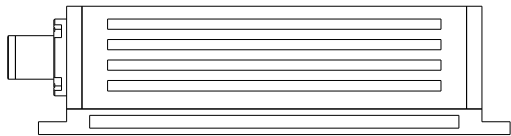
1030nm

CW Infrared Lasers

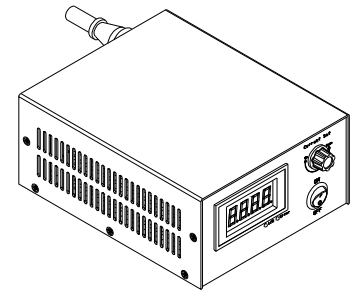
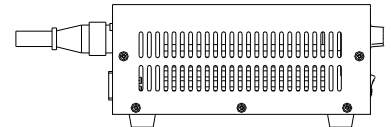


This 1030nm Series CW IR Laser is a Diode-Pumped Solid-State (DPSS) Laser with Compacted, Rugged and Air-cooled geometry. The laser system includes one Laser Driver and one Laser Head, they are connected with a cable for compliance with FDA regulations as an OEM laser product, and can be operated over a wide temperature range with a Low Noise and High Stability laser output.

Laser Head



Laser Power



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 MB™ 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.

