



MB 1342 Series Infrared

CW Lasers



- ◆ 5000mW Output
- ◆ Low Divergence, High Stability
- ◆ Diode pumped, Air-Cooled

System Specifications		MB 1342-1000	MB 1342-3000	MB 1342-5000
Wavelength		1342nm	1342nm	1342nm
Output Power		1000mW	3000mW	5000mW
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.

1342nm

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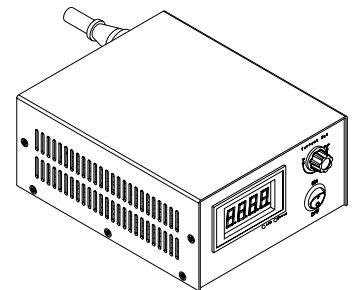
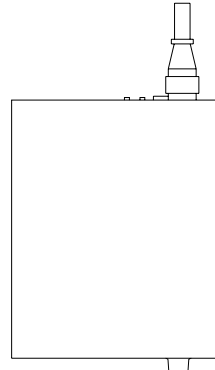
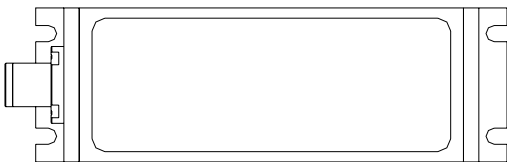
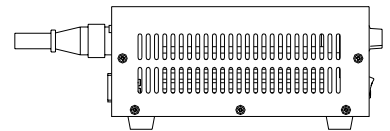
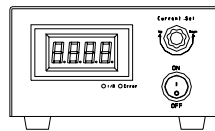
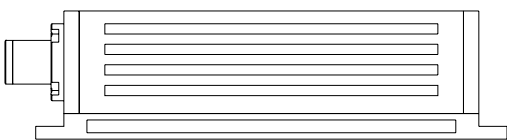
Beijing ZK Laser Co., Ltd is a sophisticated industry entity which takes the high power, multi- wave lengths solid state lasers as its main products. It researches, evolpments its products unceasingly.

This 1342 nm Infrared MB CW Laser is diode pumped laser using all solid state construction , compacted , rugged air-cooled an geometry.

This is made features of ultra compact, long lifetime, low cost and easy to operate, which is used in Collimation,Laser display,Optics instrument,Laser lighting show,Laser medical treatment,Scientific experimentation,etc.

Laser Head

Laser Power



ZK LASER®

All Dimensions are in mm

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ZK Laser follows a policy of continuous product improvement. Specifications are subject to change without notice.

ZK Laser offers a limited warranty for all MB™ systems. For full details on warranty coverage, please refer to the Service and Support section at www.zklaser.com, or contact your local Sales or Service Representative.

