

# KIMMON LASER SYSTEM

## IK4401R-D

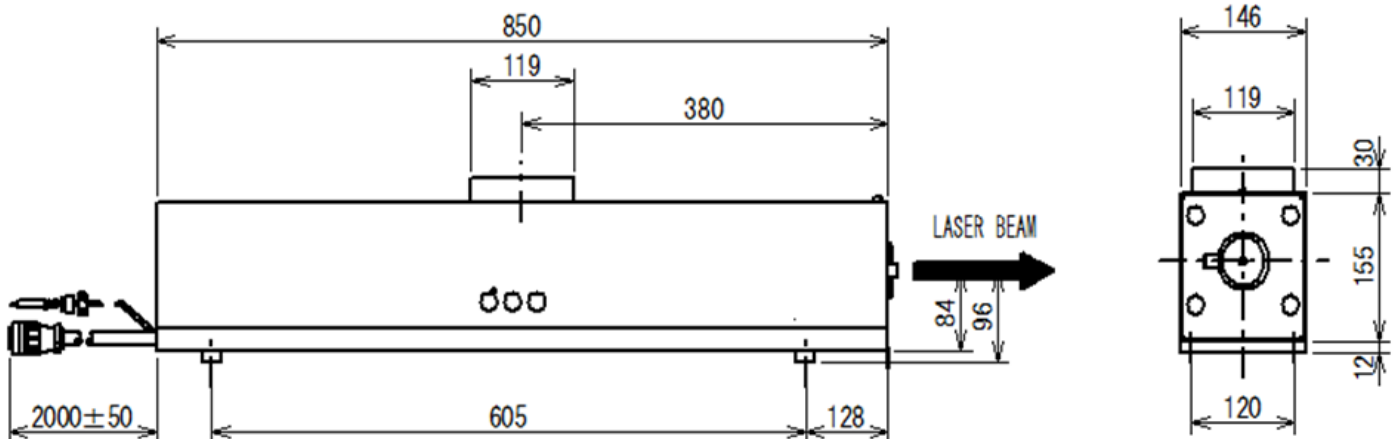
Wavelength : 442nm Power : 50mW

Transverse Mode : TEM<sub>00</sub>



Dimension (mm)

IK-D



## SPECIFICATIONS

Model	IK4401R-D
Wavelength (nm)	442
Power (mW)	50
Transverse Mode	TEM <sub>00</sub>
Polarization	Linear
Polarization Ratio	> 500:1
Noise, P-P @30kHz~2MHz (%)	< 10
Beam Diameter 1/e <sup>2</sup> (mm)	< 1.1* <sup>1</sup>
Beam Divergence (mrad)	< 0.5
Beam Pointing Stability ( $\mu$ rad) (At 25°C constant temperature)	$\leq \pm 25$
Warm Up Time (90% power) (minutes)	20
Power Stability (%) (At 25°C constant temperature)	$\leq \pm 2.0$ (4 hours)
Power Stability (10~40°C) (%)	< 20
Environmental Condition (Operation)	Temperature 10~40°C, Humidity $\leq 90\%RH$ * <sup>2</sup>
Environmental Condition (Storage)	Temperature -10~50°C, Humidity $\leq 90\%RH$ * <sup>2</sup>
Shock (with Kimmon packaging) (G)	20* <sup>3</sup>
Dimensions (W×H×L) (mm)	146×197×850
Weight (kg)	16.0
Laser Class	3B / IIIb

\*1 Measured at 100mm from output coupler

\*2 Non-condensing

\*3 Vertical direction

