

# KIMMON LASER SYSTEM

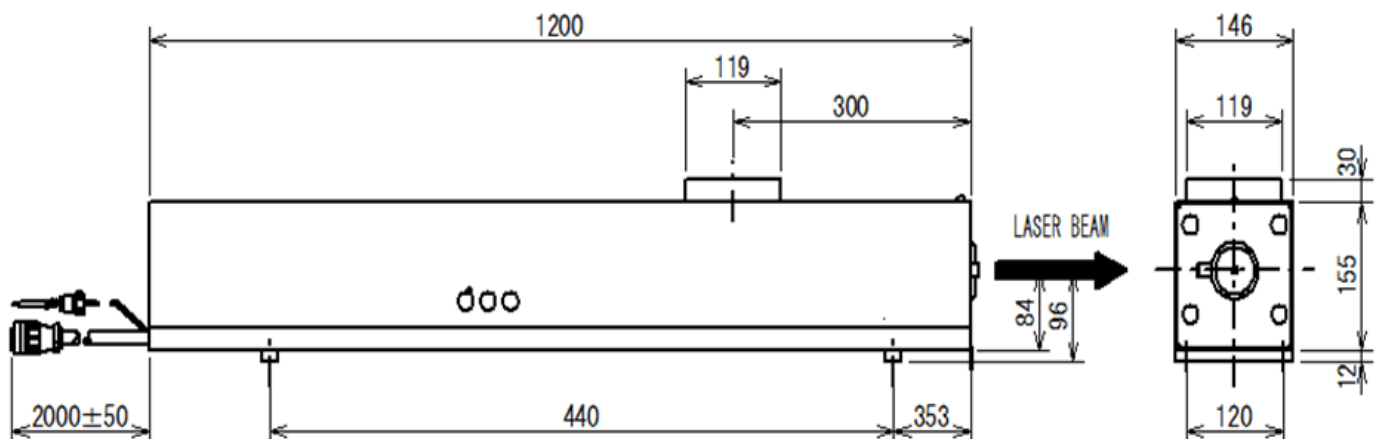
## IK4101R-F

Wavelength : 442nm Power : 110mW

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



Dimension (mm)  
IK-F



## SPECIFICATIONS

|  |   |
|--|---|
| Model  | IK4101R-F   |
| Wavelength (nm)  | 442   |
| Power (mW)   | 110   |
| Transverse Mode  | TEM <sub>00</sub>                                 |
| Polarization   | Linear  |
| Polarization Ratio   | > 500:1   |
| Noise, P-P @30kHz~2MHz (%)   | < 15  |
| Beam Diameter 1/e <sup>2</sup> (mm)                                    | < 1.2* <sup>1</sup>                               |
| Beam Divergence (mrad)   | < 0.4   |
| Beam Pointing Stability ( $\mu$ rad)<br>(At 25°C constant temperature) | $\leq \pm 25$                                     |
| Warm Up Time (90% power) (minutes)                                     | 20  |
| Power Stability (%)<br>(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 $\leq 90\%RH^{*2}$  |
| Environmental Condition (Storage)                                      | Temperature -10~50°C, Humidity $\leq 90\%RH^{*2}$ |
| Shock (with Kimmon packaging) (G)                                      | 20* <sup>3</sup>                                  |
| Dimensions (W×H×L) (mm)  | 146×197×1200                                      |
| Weight (kg)  | 19.0  |
| Laser Class  | 3B / IIIb   |

\*1 Measured at 100mm from output coupler

\*2 Non-condensing

\*3 Vertical direction

