

# KIMMON KOHA LASERSYSTEM

## FIBER LASER KKFL-20



\* Wavelength 1064nm

\* Polarization Ratio > 200:1

\* Rated Power > 20W

NOW !!

> 250 : 1

### FEATURES

Low Noise : RMS < 1.0 %

PC Control : Current / Power Mode

Lifetime > 30000 hours (Expected)

Good Power Stability : <  $\pm 1.0$  %

Line Width : < 0.2 nm

Power Modulation : 0~100 %

CW Operation

Air Cooling

### APPLICATIONS

Laser for SHG / THG

3D Printer

Micro Processing

Measurement

Graphic Imaging

Printing (CtP)

Soldering

Marking

Sensing

Welding

|   |   |
|---|---|
| Wavelength                                      | 1064 nm   |
| Output Power                                    | >20 W   |
| Mode of Operation                               | CW  |
| Transverse Mode                                 | TEM <sub>00</sub>   |
| Beam Quality M <sup>2</sup>                     | <1.1  |
| Polarization                                    | Linear  |
| Polarization Ratio                              | > 250:1   |
| R.M.S. Noise (1 Hz-10 MHz)                      | <1.0 %  |
| Line Width                                      | <0.2 nm   |
| Warm-Up Time (90 % Power)                       | <1 minutes  |
| Power Stability<br>(25 °C Constant Temperature) | <±1.0 % / 8 hours   |
| Power Stability (10 °C ~ 50 °C)                 | <5.0 %  |
| Fiber Delivery                                  | PM  |
| Fiber Length                                    | 2 meter   |
| Beam Delivery                                   | Collimated beam   |
| Lifetime to 70 % Rated Power                    | >10000 hours  |
| Environmental Condition (Operation)             | Temperature 10 °C ~ 50 °C Humidity <90 %RH ※1                                 |
| Environmental Condition (Storage)               | Temperature -10 °C ~ 60 °C Humidity <90 %RH ※1                                |
| Vibration Resistance (Operation)                | 0.2 G (15 ~ 200 Hz)   |
| Vibration Resistance (Storage)                  | 2 G (15 ~ 200 Hz)   |
| Shock Resistance                                | 15 G, 11 milliseconds ※2  |
| Input Voltage / Frequency                       | AC90 ~ 264 V / 48 ~ 62 Hz   |
| Dimensions                                      | 483mm(W) × 89mm(H) × 458mm(D)<br>19" Rack, 2U                                 |
| Weight  | 14.5kg  |
| Cooling   | Air   |
| CDRH and IEC Laser Classification               | Class IV and Class 4  |
| Applied Standards                               | IEC60825-1 / 2007-03<br>IEC61010-1 / 2010-03<br>FDA 21 CFR PART 1040.10(CDRH) |

Specifications in this document subject to change without notice.

※1 : Non-Condensing ※2 : During Transportation



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