

# **KIMMON KOHA** **LASERSYSTEM**

## FIBER LASER KKFL-20



- \* Wavelength 1064nm
- \* Polarization Ratio > 200:1
- \* Rated Power > 20W

### FEATURES

Low Noise : RMS <1.0 %  
PC Control : Current / Power Mode  
Lifetime > 30000 hours (Expected)  
Good Power Stability : <  $\pm 1.0$  %

Line Width : <0.1 nm  
Power Modulation : 0~100 %  
CW Operation  
Air Cooling

### APPLICATIONS

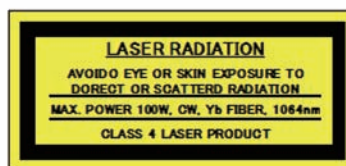
Laser for SHG / THG  
3D Printer  
Micro Processing  
Measurement  
Graphic Imaging

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	>200 : 1
R.M.S. Noise (1 Hz-10 MHz)	<1.0 %
Line Width	<0.1 nm
Warm-Up Time (90 % Power)	<1 minutes
Power Stability (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) 19" Rack, 2U
Weight	14.5kg
Cooling	Air
CDRH and IEC Laser Classification	Class IV and Class 4
Applied Standards	IEC60825-1 / 2007-03 IEC61010-1 / 2010-03 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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