

**445nm~450nm 20W Fiber Coupled Laser Diode Module With Red Aiming Beam Optional**
**450nm 20W | 400um Fiber Core | High Power LD | Built-in Thermistor Optional**
**WSLX-445-020-400M-J21**
**Wavespectrum Laser Group**
**en.wavespectrum-laser.com.cn**

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	0 ~ +40	°C
Storage Temperature	$T_{stg}$	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 450nm
- 20W Output Power
- 400um Fiber Core
- Built-in Thermistor Optional
- Red Aiming Light Optional

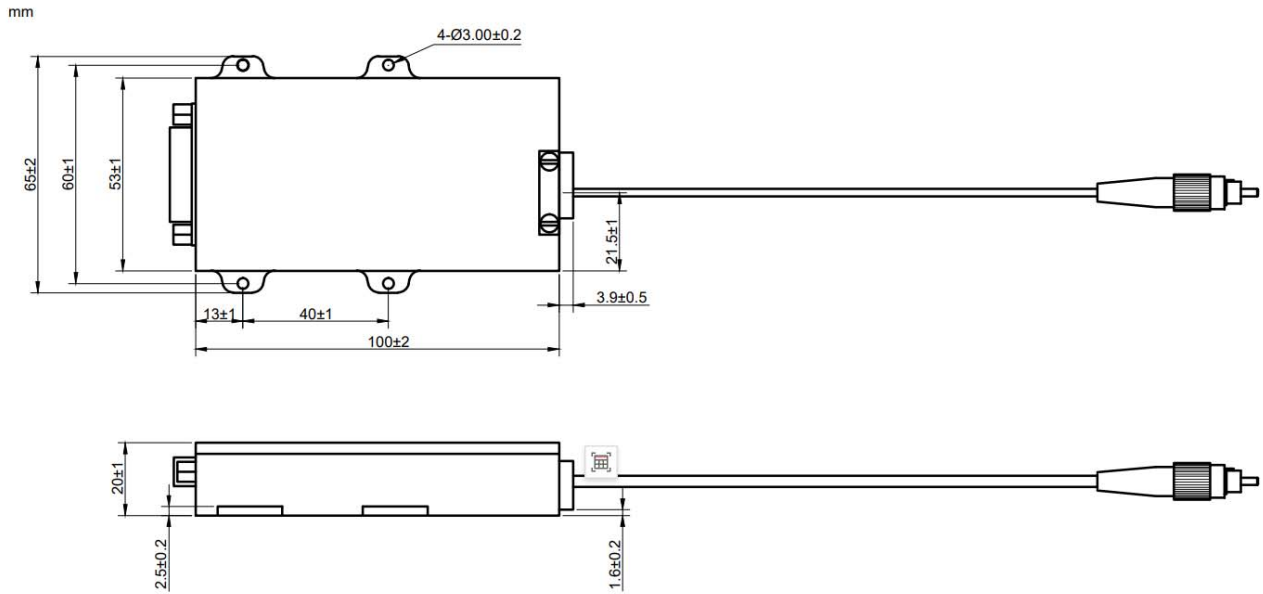
**Applications:**

- Medical Laser Treatment
- Others


**Specifications**
**WSLX-445-020-400M-J21**

	Min.	Type	Max.
Center Wavelength@25°C	450nm ± 15nm		
Spectral Width (FWHM)		8nm	
Output Power	-----	20W	-----
Temperature Coefficient of Wavelength	-----	0.05nm / °C	-----
Threshold Current (Typ.)	-----	0.3A	-----
Operating Current (Typ.)	-----	3.0A	-----
Operating Voltage	-----	30V	35V
Recommended Case Temperature	25°C		
Fiber Core Diameter	400um		
Fiber Numerical Aperture	0.22		
Fiber Length	>80cm		
Connector Type	SMA905/ST/FC		
Package Style	J21B		
Red Aiming Beam	Optional		
Photodiode	Optional		



**J21B Package View:**


Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

