

## DPSS Fiber Coupled Laser



### Key Features

- Plug & Play
- High power stability
- LD Current Full Protection
- LD Temperature Stabilized
- High Speed Modulation
- Low noise
- Excellent beam profile

### Applications

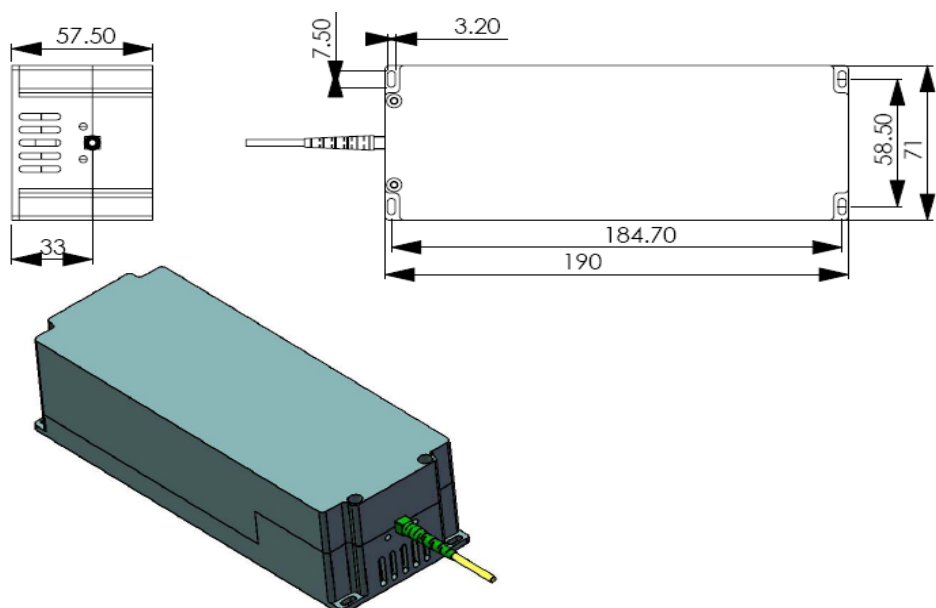
- Confocal Microscopy
- Biomedicine Research
- Inspection & Metrology
- Analytical Instruments
- Holography
- Basic R&D

The Fiber Output Laser Module is a temperature stabilized DPSS laser coupled with SM or PM fiber. It integrated thermoelectric cooler, modulation, protection electronics in a compact package.

Module features very low  $M^2$  value Gauss beam output with excellent beam pointing stability at a wide temperature dynamic range. The special designed electrical driver enable this optical engine has the lowest power consumptions compare to the similar product in the industry.

This component does not comply with the Federal Regulations (21 CFR Subchapter1 ) as administered by the Center for Devices and Radiological health. Purchaser acknowledges that his/her products must comply with these regulations before they can be sold to a customer. The output light from this product is harmful to a human body even if it is invisible. Avoid looking at the output of this product directly, or through a lens during operation. Observance of operation should be through a TV camera or related equipment. Refer to IEC 825-1 and 21 CFR 1040.10-1040.11 as a radiation safety standard for laser products.

### Dimensions Diagram





## Specifications

	Condition	Min	Typ	Max	Unit
<b>Optical Performance</b>					
Wavelength (CW)	T=25 °C	266~ 671			nm
Output Power	T=25 °C	5~5000			mW
Power stability	4hrs, T=25 °C		3	5	%
Transverse mode		Near TEM00			
Warm-up time (minutes)				15	Minutes
<b>Collimated Beam Parameters</b>					
M2				1.2	
Beam diameter	1/e2, SM	1, 2, 3, 4, 6			mm
Beam divergence	full angle, SM			1	mrad
<b>Fiber Information</b>					
Length		1, 2, 3			m
Fiber type		SM / PM / MM			
Mode field diameter		3.0(SM, PM) / 62.5~600(MM)			um
NA		0.12(SM, PM) / 0.15~0.48(MM)			
Fiber Jacket Diameter			3		mm
Connector		FC-PC / SMA(MM)			
<b>Electrical Parameters</b>					
Power supply		100		230	V
Temperature Stability			0.2		°C
Control		ACC			
<b>Environmental Conditions</b>					
Storage Temperature		0		50	°C
Operation Temperature		10		35	°C
Operation Humidity		Non condensing			
<b>Dimensions</b>					
		190mmX71mmX57.50mm			

\*The mechanical tolerance should be +/-0.2mm on all package dimensions unless otherwise custom specified

## Ordering Information

For more information on this product or other product, please contact your local account manager or Fiblaser directly at +86-21-59167946 or via E-mail at sales@fiblaser.com

