

**445nm~450nm 10W Fiber Coupled Laser Diode (LD) Module | 445nm Blue Diode Laser Module**  
**450nm | 10W Output Power| HHL Package| 400um Fiber Core| High Power LD |Built-in TEC cooler**  
**WSLB-445-010-H-T**                      **Wavespectrum Laser Group**                      **www.wavespectrum-laser.com**

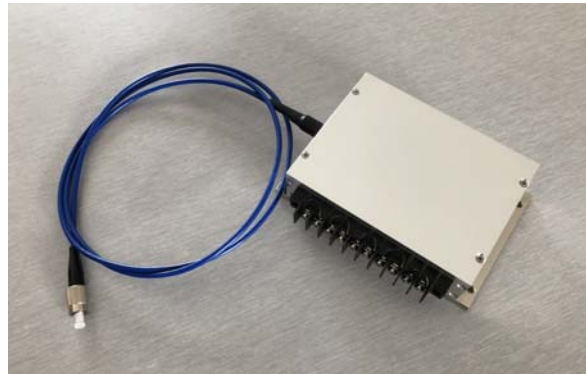
PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Current	$V_r$	85	mA
Operating Temperature	$T_{op}$	0 ~ +60	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

#### Features:

- 450nm
- 10W Output Power
- Built-in TEC cooler
- Built-in Photodiode Optional
- Stainless Steel Armor Optional

#### Applications:

- Medical Laser Treatment
- Laser Show
- Others



#### Specifications

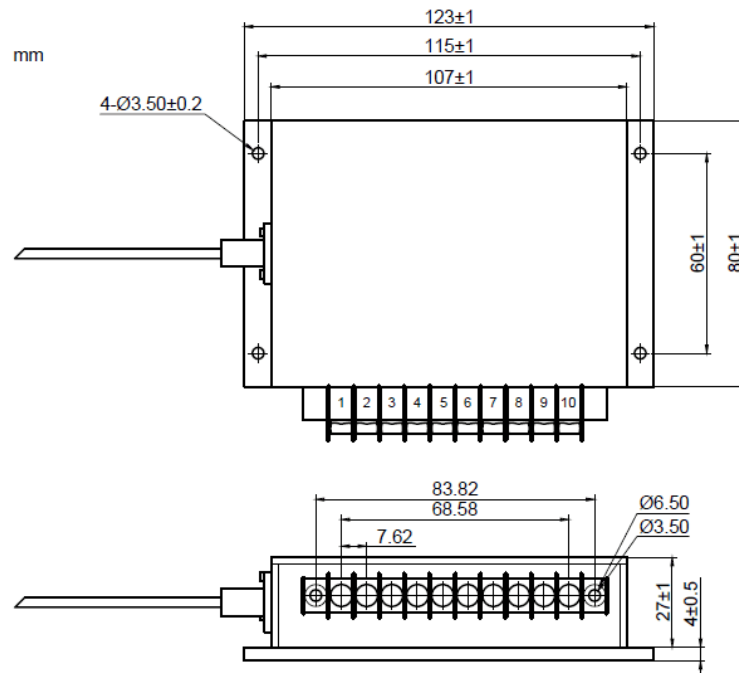
#### WSLB-445-010-H-T

	Min.	Type	Max.
Center Wavelength@25°C	±5nm	450nm	±15nm
Spectral Width (FWHM)	----	8nm	----
Output Power	----	10W	----
Temperature Coefficient of Wavelength	----	0.25nm / °C	----
Threshold Current (Typ.)	----	0.3A	----
Operating Current (Typ.)	----	3.3A	----
Operating Voltage	----	16.5V	----
TEC Max. Voltage	17V		
TEC Max. Current	8A		
Thermistor	10K		
Fiber Core Diameter	<300um		
Fiber Numerical Aperture	0.22		
Fiber Length	80cm		
Connector Type	SMA905/ST/FC		
Package	P2 Package		

Wavespectrum Laser Group  
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## Package View



Wavespectrum offer **Customized** 450nm Fiber Coupled LD.

Please let me know your special request:

- Customized Output Power
- Customized Fiber
- Customized Fiber Connector

Contact us with [info@wavespectrum-laser.com](mailto:info@wavespectrum-laser.com)

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

Suggest using the constant current power supply.



Wavespectrum Laser Group  
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