

**793nm 10W High Power Fiber Coupled Laser Diode**

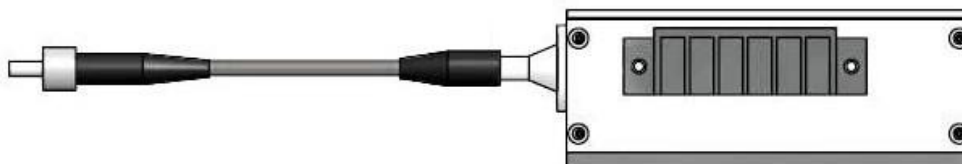
792nm~793nm|HHL Package| 400um Fiber Core| TEC Cooling| High Power LD

WSLB-792-010-H

Wavespectrum Laser, Inc.

[www.wavespectrum-laser.com](http://www.wavespectrum-laser.com)

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+15 ~ +35	°C
Storage Temperature	$T_{stg}$	-40 ~ +60	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C



**Applications:**

- Medical laser treatment
- Pumping
- Others

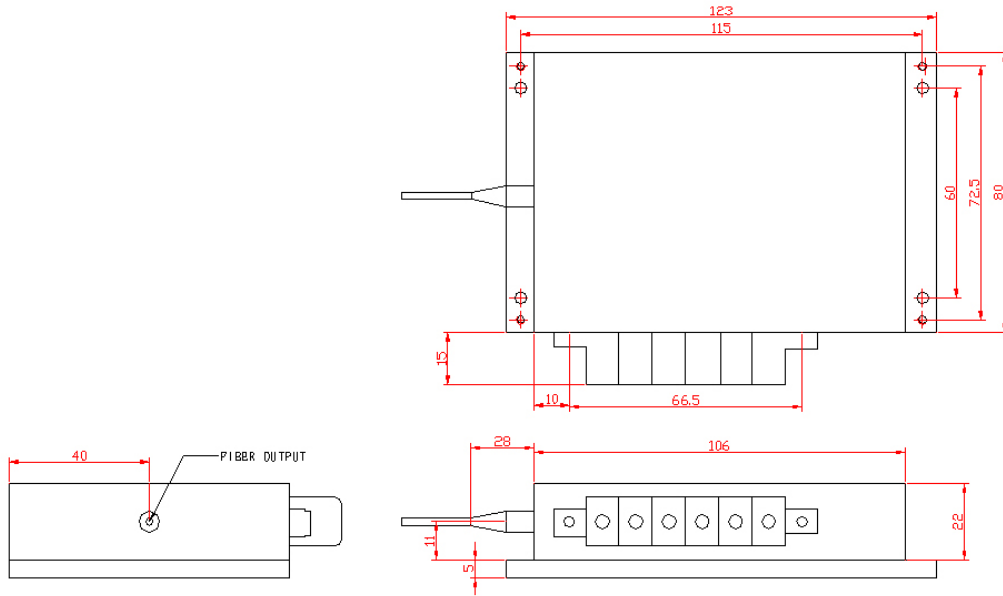
**Features:**

- 792nm
- Aiming Beam Optional
- **Built-in** TEC Cooling
- Photodiodes Optional
- Receptacle Package Optional

Specifications	WSLB-792-010-H		
	Min.	Type	Max.
Center Wavelength@25°C	----	792nm +/- 10nm	----
Spectral Width (FWHM)	----	3nm	----
Output Power	----	----	10W
Temperature Coefficient of Wavelength	----	0.28nm / °C	----
Threshold Current (Typ.)	----	700mA	----
Operating Current (Typ.)	----	3.4A	----
Operating Voltage	----	10V	----
Cooling	TEC Cooling		
Fiber Core Diameter	375um/400um		
Fiber Numerical Aperture	0.22		
Fiber Length	100cm		
Connector Type	SMA905/ST/FC		
Aiming Beam (2mw@650nm)	Optional		



## Package View



PIN	1	2	3	4	5	6
	<b>LD(+)</b>	<b>LD(-)</b>	<b>RT</b>	<b>RT</b>	<b>TEC(-)</b>	<b>TEC(+)</b>

### Wavespectrum offer **Customized** 792nm Fiber Coupled LD.

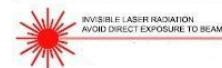
- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 6w@792nm+350mw@635nm)

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.

**Caution**  
 On operation, If optical connectors are unterminated, modules can emit invisible laser radiation. Radiation emitted by laser devices can be dangerous to the eyes. Avoided eye or skin exposure to direct or scattered radiation



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