

793nm 10W High Power Fiber Coupled Laser Diode

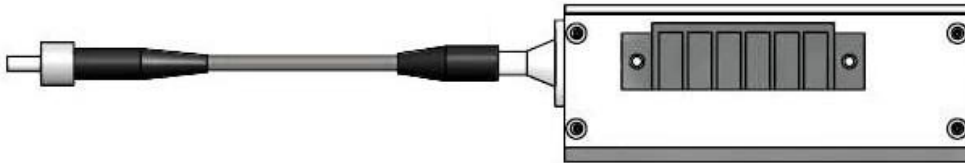
792nm~793nm|HHL Package| 400um Fiber Core| TEC Cooling| High Power LD

WSLB-792-010-H

Wavespectrum Laser, Inc.

www.wavespectrum-laser.com

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

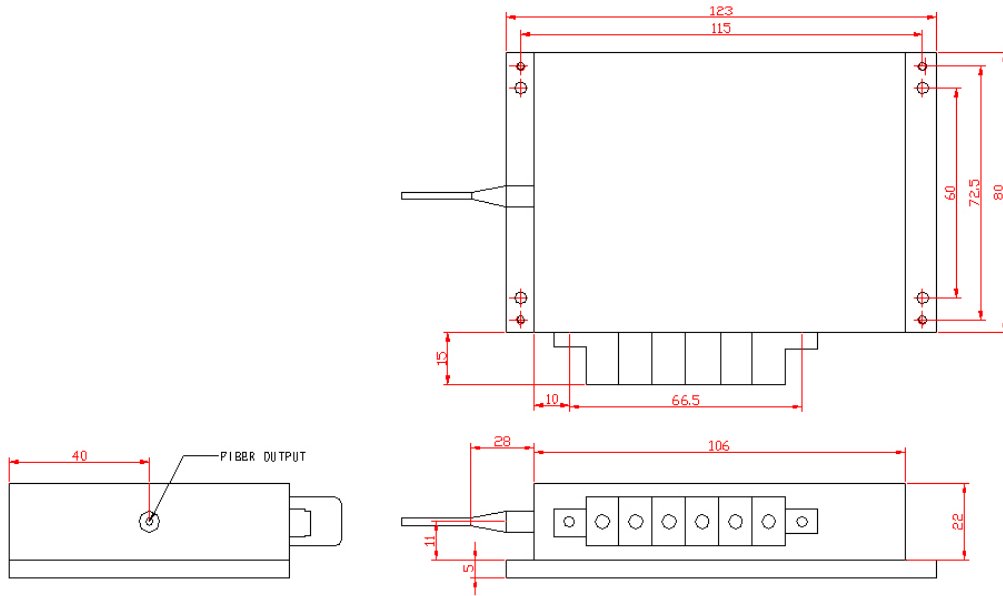
Specifications

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
	LD(+)	LD(-)	RT	RT	TEC(-)	TEC(+)

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

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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