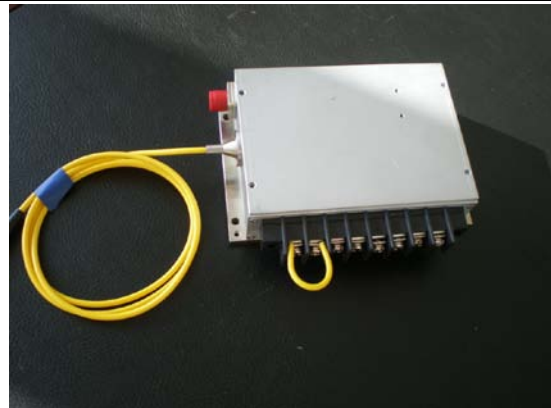


**976nm~980nm & 650nm (or 635nm) Dual-Wavelength Fiber Coupled Laser Diode Module**  
**20W@980 & 2mW@650nm LD | With PD | With TEC Cooling | HHL Package | <400um Fiber Core**  
**WSLB-980-020-H-A                      Wavespectrum Laser Group                      www.wavespectrum-laser.com**

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+10 ~ +30	°C
Storage Temperature	$T_{stg}$	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

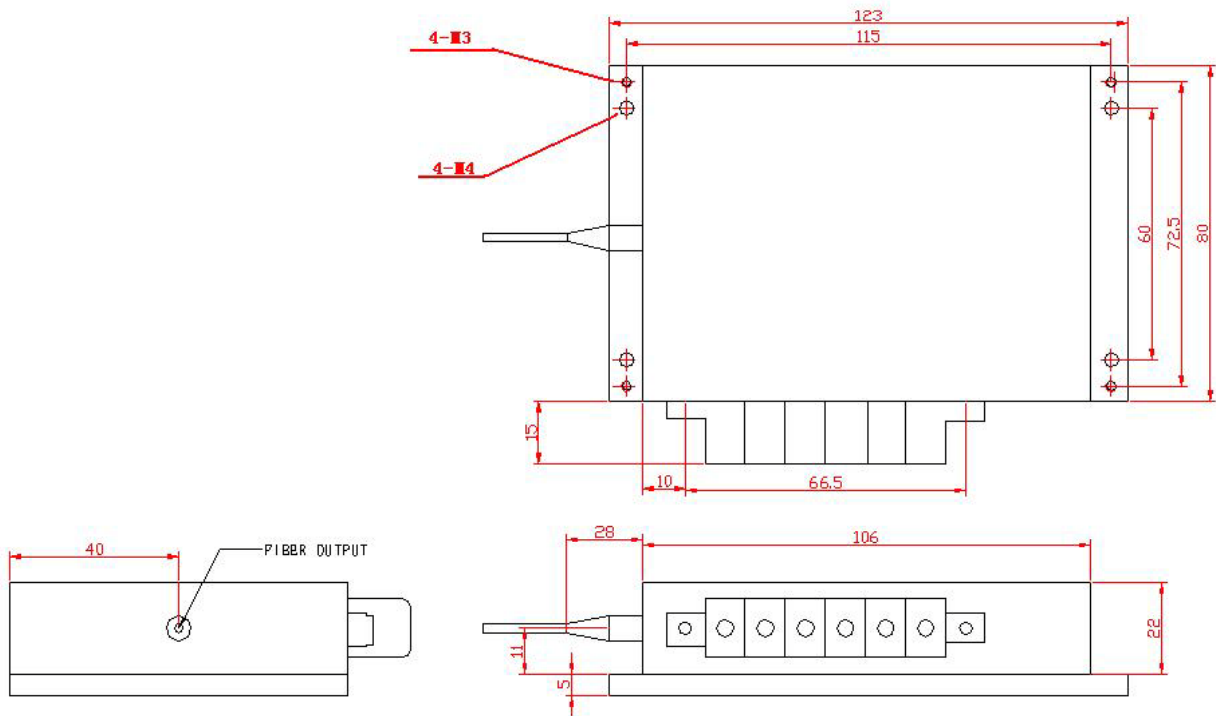
- Features:**
- 980nm & 650nm Dual-Wavelength Output
  - TEC Cooling Optional
  - Blue Aiming Beam Optional
  - Customized Output Power
- Applications:**
- Medical laser treatment
  - Others



Specifications	WSLB-980-020-H-A
	Type Value
Center Wavelength@25°C	980nm
Recommended Operating Temperature	25°C
Output Power (CW)	20W
Aiming Beam	2mw@650nm
	635nm/405nm/445nm As Aiming Beam Optional
Threshold Current (Typ.)	0.65A
Operating Current (Typ.)	6A
Operating Voltage	11.5V
TEC Cooling	Optional
Thermistor (10K)	Optional
Fiber Core Diameter	<400um
Built-in Photodiodes	Optional
Stainless Steel Armored Fiber Jacket	Optional
Fiber Length	100cm
Connector Type	FC or SMA905
Package	P2



### Package View



PIN	1	2	3	4	5	6
	LD (+)	LD (-)	Red (+)	Red (-)	NC	NC

### Wavespectrum offer Customized 980nm & 650nm Dual-Wavelength Laser Module.

- Customized Output Power (Such as 12W@980nm & 2w@650nm)
- Blue Aiming Beam (405nm or 445nm) Optional
- Built-in Photodiodes and TEC Cooler Optional
- High Power Red Laser Optional (Such as 12W@980nm & 300mW@635nm)
- Tri-Wavelength Solution Optional (Such as 7W@808nm & 7W@980nm & 750mw@650nm)
- Fiber Detachable Package Optional

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

**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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