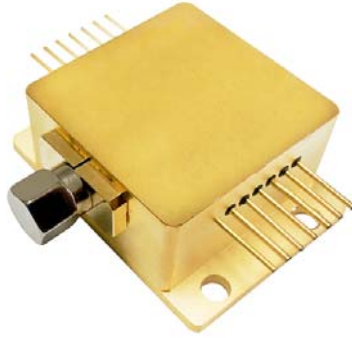


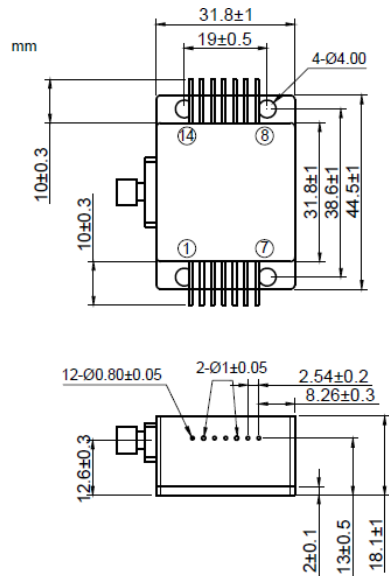
**830nm~840nm 6W Fiber Detachable LD |14-Pin HHL Package | Built-in TEC cooler**  
**830nm Fiber Receptacle Laser Diode| 200um, 400um Fiber Core | Red Aiming Beam Optional**  
**WSLR-830-006-200M-H14-T-PD-A-FD      Wavespectrum Laser Group      www.wavespectrum-laser.com**

| 830nm Fiber Detachable Diode Laser                                                                                                                                                        |                  | 6W                                                                                  | en.wavespectrum-laser.com.cn |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|------------------------------|------|
| PARAMETER                                                                                                                                                                                 | SYMBOL           | VALUE                                                                               |                              | UNIT |
| MAX Reverse Voltage                                                                                                                                                                       | V <sub>r</sub>   | 2.0                                                                                 |                              | V    |
| Operating Temperature                                                                                                                                                                     | T <sub>op</sub>  | +10 ~ +30                                                                           |                              | °C   |
| Storage Temperature                                                                                                                                                                       | T <sub>stg</sub> | -20 ~ +80                                                                           |                              | °C   |
| Lead soldering temperature (10 sec.)                                                                                                                                                      | T <sub>is</sub>  | 260                                                                                 |                              | °C   |
| Features:                                                                                                                                                                                 |                  |  |                              |      |
| <ul style="list-style-type: none"><li>830nm</li><li>Suit for 200um MM Fiber</li><li>Fiber Detachable Package</li><li>With Fiber Detection Function</li><li>With Red Aiming Beam</li></ul> |                  |                                                                                     |                              |      |
| Applications:                                                                                                                                                                             |                  |                                                                                     |                              |      |
| <ul style="list-style-type: none"><li>Medical Laser Treatment</li><li>Others</li></ul>                                                                                                    |                  |                                                                                     |                              |      |
| Specifications                                                                                                                                                                            |                  | WSLR-830-006-200M-H14-T-PD-A-FD                                                     |                              |      |
|                                                                                                                                                                                           |                  | Min                                                                                 | Type                         | Max  |
| Center Wavelength@25℃                                                                                                                                                                     |                  | 830nm±20nm                                                                          |                              |      |
| Spectral Width (FWHM)                                                                                                                                                                     |                  | ----                                                                                | 3nm                          | ---- |
| Output Power(After Fiber End)                                                                                                                                                             |                  | 5W                                                                                  | 6W                           | ---- |
| Used Fiber Core                                                                                                                                                                           |                  | 200um (400um, or the more)                                                          |                              |      |
| Recommended Operating Temperature                                                                                                                                                         |                  | 25℃                                                                                 |                              |      |
| Detachable Fiber Connector                                                                                                                                                                |                  | SMA905                                                                              |                              |      |
| Threshold Current (Typ.)                                                                                                                                                                  |                  | ----                                                                                | 1.2A                         | 2.0A |
| Operating Current (Typ.)                                                                                                                                                                  |                  | ----                                                                                | 8.0A                         | 8.5A |
| Operating Voltage                                                                                                                                                                         |                  | ----                                                                                | 2.0V                         | 2.3V |
| TEC Max. Current                                                                                                                                                                          |                  | 6A                                                                                  |                              |      |
| TEC Max. Voltage                                                                                                                                                                          |                  | 9.8V                                                                                |                              |      |
| Thermistor                                                                                                                                                                                |                  | 10K                                                                                 |                              |      |
| Package Style                                                                                                                                                                             |                  | 14-Pin                                                                              |                              |      |
| Fiber Detection Function                                                                                                                                                                  |                  | Built-in                                                                            |                              |      |
| Aiming Beam                                                                                                                                                                               |                  | >2mW@638nm                                                                          |                              |      |



#### 14-Pin Package View (With Fiber Detection Function) :

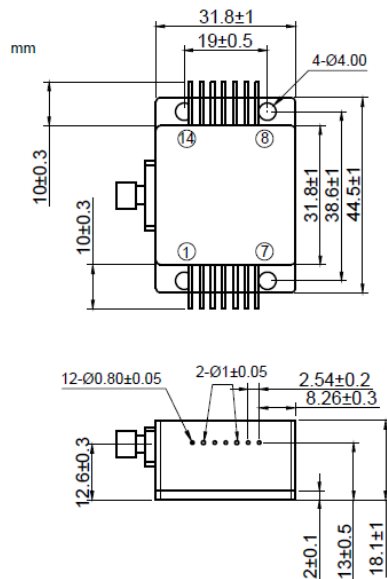
(Part Number: WSLR-830-006-200M-H14-T-PD-A-FD)



| PIN | FUNCTION         | PIN | FUNCTION                    |
|-----|------------------|-----|-----------------------------|
| 1   | CASE             | 14  | TEC(+)                      |
| 2   | LD(+)            | 13  | Aiming Beam<br>DC3V~5V(GND) |
| 3   | Thermistor (10K) | 12  | Aiming Beam<br>DC3V~5V(+)   |
| 4   | Thermistor (10K) | 11  | FCD LED(+)&FCD<br>PD (N)    |
| 5   | LD(-)            | 10  | FCD LED(-)                  |
| 6   | PD(P)            | 9   | FCD PD (P)                  |
| 7   | PD(N)            | 8   | TEC(-)                      |

#### 14-Pin Package View (Without Fiber Detection Function) :

(Part Number: WSLR-830-006-200M-H14-T-PD-A)



| PIN | FUNCTION         | PIN | FUNCTION                    |
|-----|------------------|-----|-----------------------------|
| 1   | CASE             | 14  | TEC(+)                      |
| 2   | LD(+)            | 13  | Aiming Beam<br>DC3V~5V(GND) |
| 3   | Thermistor (10K) | 12  | Aiming Beam<br>DC3V~5V(+)   |
| 4   | Thermistor (10K) | 11  | NC                          |
| 5   | LD(-)            | 10  | NC                          |
| 6   | PD(P)            | 9   | NC                          |
| 7   | PD(N)            | 8   | TEC(-)                      |

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

Suggest using the constant current power supply.



Wavespectrum Laser Group

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