

# 830nm~840nm 6W Fiber Coupled Diode Laser Module with 105um Multi-mode Fiber

830nm | 2-Pin Package | 105um, 200um Fiber Core | High Power LD | Built-in Photodiodes Optional

WSLX-830-006-M-H2

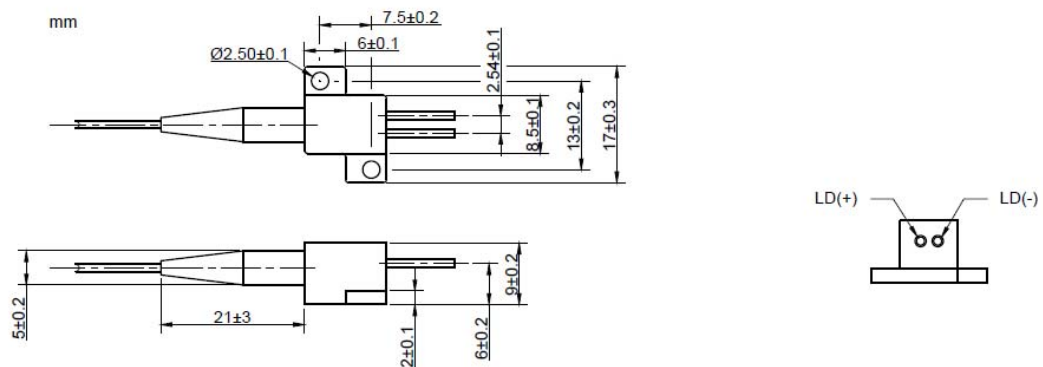
Wavespectrum Laser Group.

en.wavespectrum-laser.com.cn

| 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          |
| <b>Features:</b> <ul style="list-style-type: none"> <li>830nm</li> <li>2-Pin Package</li> <li>105um Fiber Core</li> <li>Photodiodes Optional</li> </ul> <b>Applications:</b> <ul style="list-style-type: none"> <li>Medical Laser Treatment</li> <li>Others</li> </ul> |           |  |             |
| <b>Specifications</b>                                                                                                                                                                                                                                                  |           | <b>WSLX-830-006-M-H2</b>                                                           |             |
|                                                                                                                                                                                                                                                                        |           | <b>Min</b>                                                                         | <b>Type</b> |
| Center Wavelength@25°C                                                                                                                                                                                                                                                 |           | 830nm ± 20nm                                                                       |             |
| Spectral Width (FWHM)                                                                                                                                                                                                                                                  |           | ----                                                                               | 3nm         |
| Output Power                                                                                                                                                                                                                                                           |           | 5W                                                                                 | 6W          |
| Temperature Coefficient of Wavelength                                                                                                                                                                                                                                  |           | 0.3nm / °C                                                                         |             |
| Threshold Current (Typ.)                                                                                                                                                                                                                                               |           | ----                                                                               | 1.2A        |
| Operating Current (Typ.)                                                                                                                                                                                                                                               |           | ----                                                                               | 8.0A        |
| Operating Voltage                                                                                                                                                                                                                                                      |           | ----                                                                               | 2.0V        |
| Recommended Case Temperature                                                                                                                                                                                                                                           |           | 25°C                                                                               |             |
| Photodiodes                                                                                                                                                                                                                                                            |           | Optional                                                                           |             |
| Fiber Core Diameter                                                                                                                                                                                                                                                    |           | 105um                                                                              |             |
| Fiber Numerical Aperture                                                                                                                                                                                                                                               |           | 0.22                                                                               |             |
| Package                                                                                                                                                                                                                                                                |           | 2-Pin-02                                                                           |             |
| Fiber Length                                                                                                                                                                                                                                                           |           | >80cm                                                                              |             |
| Connector Type                                                                                                                                                                                                                                                         |           | FC(SMA905 Optional)                                                                |             |



## 2-Pin-02 Package View:



Electrically shorten LD module and store in non-extreme conditions.  
Suggest using the constant current power supply.

