

## 780nm~785nm 2W C Mount Laser Diode

780nm Laser Diode| High Power LD| 2W Power| C-mount Package

WSLD-785-002-C

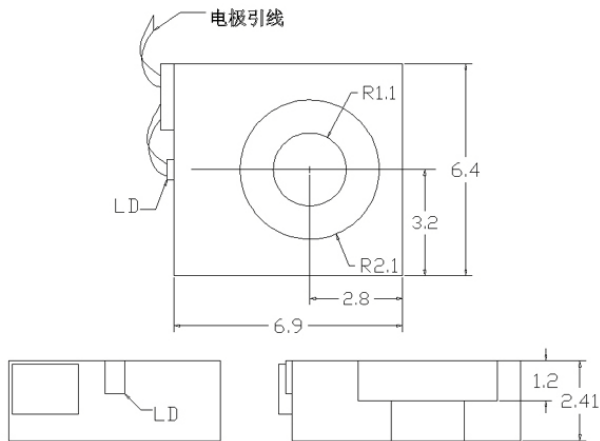
Wavespectrum Laser, Inc.

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

| 780nm Laser Diode 2W  |             | Wavespectrum Laser, Inc  |              |
|---|-------------|--|--------------|
| PARAMETER   | SYMBOL      | VALUE  | UNIT         |
| Reverse Voltage   | $V_r$       | 2.0  | V            |
| Operating Temperature   | $T_{op}$    | -10 ~ +30  | °C           |
| Storage Temperature   | $T_{stg}$   | -40 ~ +85  | °C           |
| Lead soldering temperature (10 sec.)  | $T_{is}$    | 260  | °C           |
| <b>Features:</b> <ul style="list-style-type: none"> <li>780nm</li> <li>Multimode</li> <li>TO3,C-mount package</li> </ul>                        |             |  |              |
| <b>Applications:</b> <ul style="list-style-type: none"> <li>Medical laser treatment</li> <li>Laser indicator</li> <li>Laser detector</li> </ul> |             |  |              |
| <b>Specifications</b>   |             | <b>WSLD-785-002-C</b>  |              |
|   | <b>Min</b>  | <b>Type</b>  | <b>Max</b>   |
| Center Wavelength@25°C  | ----        | 780nm +/- 10nm   | ----         |
| Spectral Width (FWHM)   |             | 2.0nm  |              |
| Output Power  | ----        | 2W   | ----         |
| Emitter Area  | ----        | 150x1µm  | ----         |
| Beam Divergence (FWHM)  | 35°± x 7°// | 34°± x 8°//  | 38°± x 10°// |
| Temperature Coefficient of Wavelength   | ----        | 0.3nm / °C   | ----         |
| Slope Efficiency  | 0.9W/A      | 1.0W/A   | 1.2W/A       |
| Threshold Current (Typ.)  | ----        | 0.3A   | 0.5A         |
| Operating Current (Typ.)  | ----        | 2.0A   | 2.7A         |
| Operating Voltage   | ----        | 2.0V   | 2.5V         |
| Package Style   | TO3/C-mount |  |              |



**C-mount Package View**



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

