


780nm~785nm 1W C mount Laser Diode| High Power LD

785nm Laser Diode| High Power LD| 1W Power| C-mount Package

WSLD-785-001-C

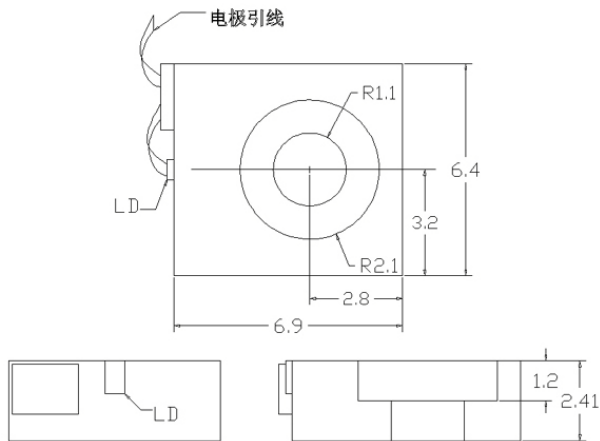
Wavespectrum Laser, Inc.

www.wavespectrum-laser.com

| 785nm Laser Diode 1W | | 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 |
| Features: <ul style="list-style-type: none"> 785nm Multimode TO3,C-mount package | |  | |
| Applications: <ul style="list-style-type: none"> Medical laser treatment Laser indicator Laser detector | | | |
| Specifications | | WSLD-785-001-C | |
| | Min | Type | Max |
| Center Wavelength@25°C | ---- | 785nm +/- 10nm | ---- |
| Spectral Width (FWHM) | | 2.0nm | |
| Output Power | ---- | 1W | 1.2W |
| Emitter Area | ---- | 100x1µm | ----- |
| Beam Divergence (FWHM) | 35°± x 7°// | 40°± x 8°// | 42°± x 11°// |
| Temperature Coefficient of Wavelength | ---- | 0.28nm / °C | ---- |
| Slope Efficiency | 0.9W/A | 1.0W/A | 1.2W/A |
| Threshold Current (Typ.) | ---- | 0.24A | 0.26A |
| Operating Current (Typ.) | ---- | 1.2A | 1.4A |
| Operating Voltage | ---- | 2.0V | ---- |
| 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.

