


## 830nm 1W laser diodes with C mount package

### 830nm 1w high Power LD

WSLD-830-001-C

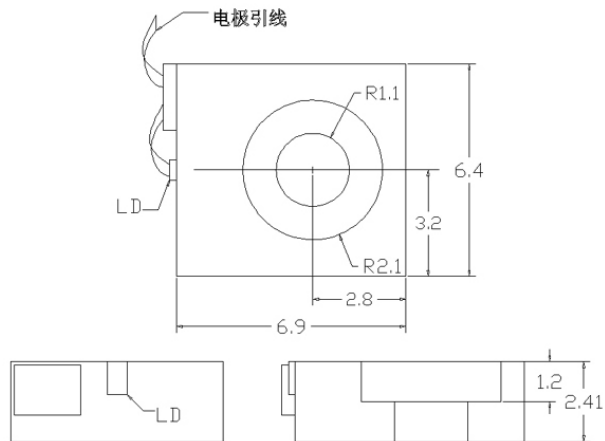
Wavespectrum laser inc.

www.wavespectrum-laser.com

830nm Laser Diode 1W		Wavespectrum Laser, Inc		
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>830nm</li> <li>High power ,CW, Muti-mode</li> <li>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-830-001-C</b>		
		Min	Type	Max
Center Wavelength@25°C		820nm	830nm	840nm
Spectral Width (FWHM)		3.0nm		
Output Power		1W	----	1.2W
Emitter Area		50x1μm		
Beam Divergence (FWHM)		36° <sub>⊥</sub> x 10° <sub>//</sub>		
Temperature Coefficient of Wavelength		0.3nm / °C		
Slope Efficiency		1.2W/A		
Threshold Current (Typ.)		0.1A		
Operating Current (Typ.)		1.2A		
Operating Voltage		1.8V		
Package Style		C-mount		



### C-mount Package View



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

**Suggest using the constant current power supply.**



**Please contact us:**

**Website: [www.wavespectrum-laser.com](http://www.wavespectrum-laser.com) (for more detailed information)**

**Email: [info@wavespectrum-laser.com](mailto:info@wavespectrum-laser.com) (for inquiry about this product)**

