


**1310nm 1W Laser Diode with TO 3 Package | FAC Lens | High Power LD**  
**1310nm~1320nm| 1W Power |TO3 Package | Square or Line Beam Optional**

WSLD-1310-001-3

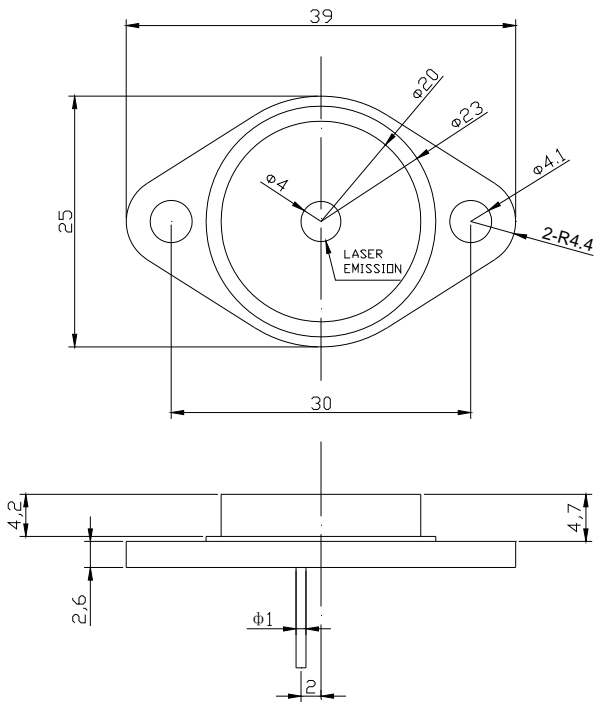
Wavespectrum Laser Group

www.wavespectrum-laser.com

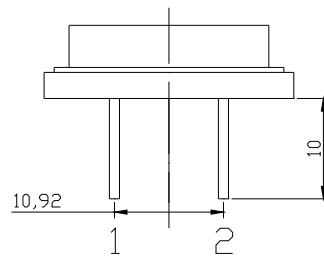
1310nm Laser Diode 1W		Wavespectrum Laser Group	
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+10~+30	°C
Storage Temperature	$T_{stg}$	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C
<b>Features:</b> <ul style="list-style-type: none"> <li>1310nm</li> <li>1W Power</li> <li>TO3 Package</li> <li>FAC Lens Optional (Square or Line Beam)</li> </ul>			
<b>Applications:</b> <ul style="list-style-type: none"> <li>Medical laser treatment</li> <li>Others</li> </ul>			
<b>Specifications</b>		<b>WSLD-1310-001-3</b>	
		<b>Min</b>	<b>Type</b>
Center Wavelength@25°C		----	1310nm
Spectral Width (FWHM)		----	10.0nm
Output Power		----	1W
Emitter Area		----	85x1µm
Beam Divergence (With FAC Lens)		----	8° <sub>⊥</sub> x 8° <sub>//</sub>
Temperature Coefficient of Wavelength		----	0.7nm / °C
Slope Efficiency		----	0.5W/A
Threshold Current (Typ.)		----	350mA
Operating Current (Typ.)		----	2.1A
Operating Voltage		----	1.3V
Package Style		TO3	



### T03 Package View



PIN	FUNCTION
1	LD (-)
2	CASE



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

