


**520nm 50mw Laser Diode| Single mode Green LD**

**520nm SM LD| 50mw Power|3.8mm Package Green diode laser**

**WSLD-520-050m-1**

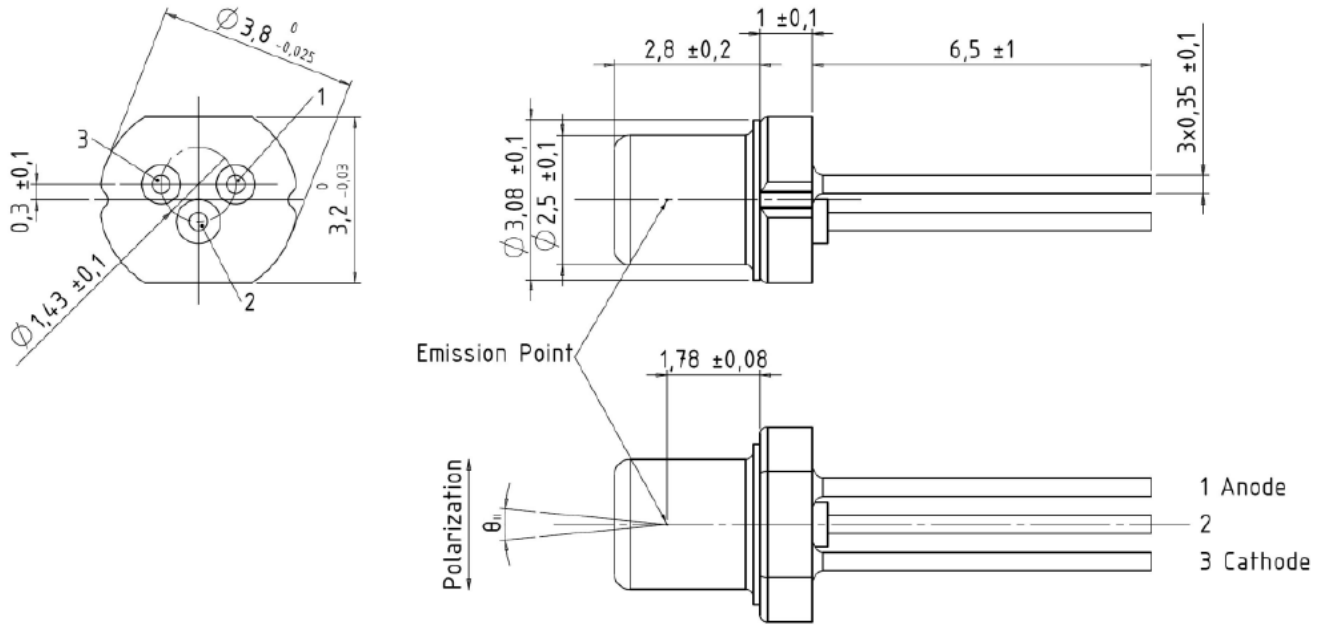
**Wavespectrum Laser Group.**

**www.wavespectrum-laser.com**

520nm Laser Diode		50mw		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE	UNIT		
Reverse Voltage	$V_r$	2.0	V		
Operating Temperature	$T_{op}$	+10~+70	°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>● 520nm</li> <li>● 50mW</li> <li>● Single Mode Beam</li> <li>● 3.8mm 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-520-050m-1</b>			
		Min	Type	Max	
Center Wavelength@25°C		510nm	520nm	530nm	
Spectral Width (FWHM)		2.0nm			
Output Power		40mW	-----	50mW	
LD Mode		Single Mode			
Beam Divergence (FWHM)		$5^{\circ} \pm x 15^{\circ} //$	$7^{\circ} \pm x 21^{\circ} //$	$12^{\circ} \pm x 24^{\circ} //$	
Threshold Current (Typ.)		----	50mA	80mA	
Operating Current (Typ.)		----	180mA	240mA	
Operating Voltage		----	7.5V	8.0V	
Package Style		3.8mm			



**PIN Bottom View:**



<b>1</b>	<b>LD(+)</b>
<b>2</b>	<b>GND</b>
<b>3</b>	<b>LD(-)</b>

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

