


## 780nm~785nm 150mw Single Mode LD| SM Laser Diode|5.6mm TO18 Package

### 785nm SM Laser Diodes |Single Mode LD|150mw Power

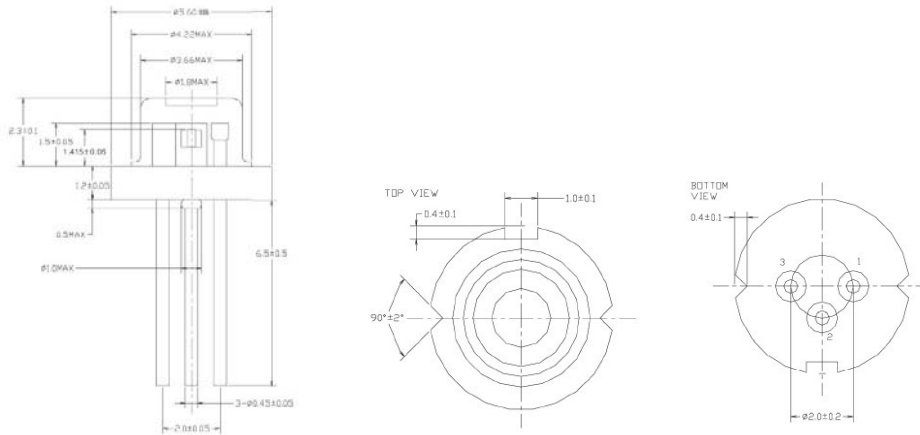
WSLD-785-150m-1

Wavespectrum laser inc.

www.wavespectrum-laser.com

785nm Laser Diode		150mw		Wavespectrum Laser, Inc	
Reverse Voltage	$V_r$	2.0		V	
Operating Temperature	$T_{op}$	-10 ~ +50		°C	
Storage Temperature	$T_{stg}$	-40 ~ +85		°C	
Lead soldering temperature (10 sec.)	$T_{is}$	280		°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>785nm</li> <li>Single Mode</li> <li>AR Coating</li> <li>TO18 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-785-150m-1</b>			
		Min	Type	Max	
Center Wavelength@25°C		775nm	785nm	795nm	
Spectral Width (FWHM)		2.0nm			
Output Power		150mw			
Emitter		Single			
Beam Divergence (FWHM)		15° <sub>⊥</sub> x 8° <sub>//</sub>			
Monitor Current		0.5mA			
PD Reverse Voltage		30V			
PD Forward Current		10mA			
Slope Efficiency		1.1mW/mA			
Threshold Current (Typ.)		35mA			
Operating Current (Typ.)		180mA			
Operating Voltage		2.0V			
Package Style		TO18			



**TO18(5.6mm) Package View**

**PIN Bottom View:**


<b>1</b>	<b>NC</b>
<b>2</b>	<b>LD(-)&amp;Case</b>
<b>3</b>	<b>LD(+)</b>

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

