

## 850nm 50mw Single Mode laser diodes

### 850nm SM LD with TO18 5.6mm

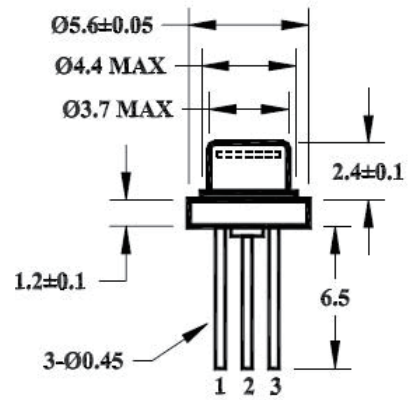
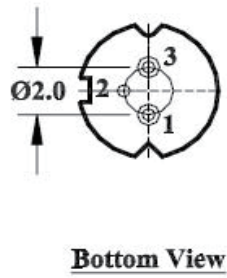
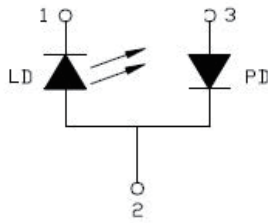
WSLD-850-050m-1-PD

Wavespectrum laser inc.

www.wavespectrum-laser.com

850nm Laser Diode 50mw/PD		Wavespectrum Laser, Inc	
Reverse Voltage	$V_r$	3.5	V
Operating Temperature	$T_{op}$	-10~+40	°C
Storage Temperature	$T_{stg}$	-15 ~ +85	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C
<b>Features:</b> <ul style="list-style-type: none"> <li>850nm</li> <li>CW</li> <li>Built-in PD</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-850-050m-1-PD</b>	
		<b>Min</b>	<b>Type</b>
Center Wavelength@25°C		830nm	840nm
Spectral Width (FWHM)		----	2.0nm
Output Power		----	50mw
Emitter		----	Single
Beam Divergence (FWHM)		22° x 10°//	30° x 15°//
Monitor Current		----	0.1mA
PD Reverse Voltage		----	30V
PD Forward Current		----	----
Slope Efficiency		0.7mW/mA	0.9mW/mA
Threshold Current (Typ.)		----	28mA
Operating Current (Typ.)		----	85mA
Operating Voltage		1.5V	1.8V
Package Style		TO18	

**T018(5.6mm) Package View**



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

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

