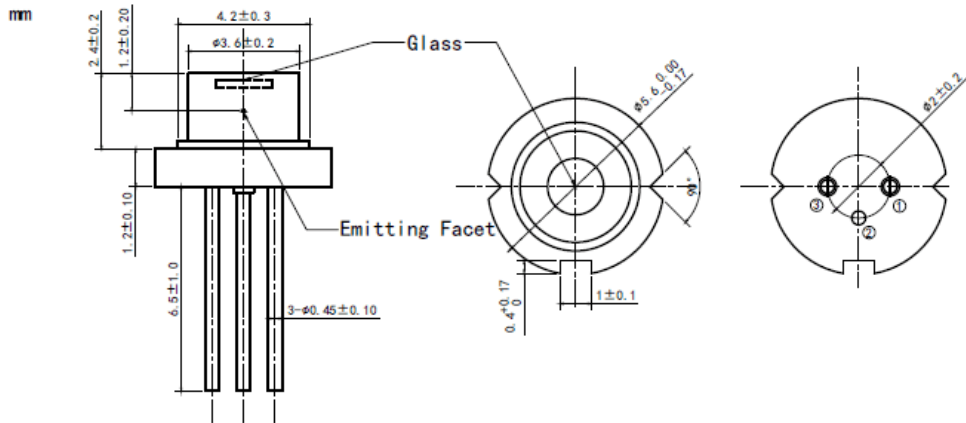


**820nm~830nm 100mW Single Mode LD| SM Laser Diode|5.6mm TO18 Package**
**815nm~820nm 100mW SM Laser Diodes |Single Mode LD| Build-in Photodiode**
**WSLD-820-100m-1-PD**
**Wavespectrum laser Group.**
**www.wavespectrum-laser.com**

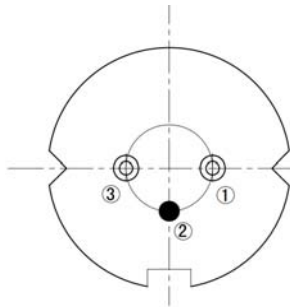
820nm Laser Diode		100mW/TO18		Wavespectrum Laser Group	
MAX Reverse Voltage	$V_r$	2.0		V	
Operating Temperature	$T_{op}$	-20~+50		°C	
Storage Temperature	$T_{stg}$	-40~+80		°C	
Lead soldering temperature (10 sec.)	$T_{is}$	260		°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>● 820nm</li> <li>● Single Mode LD</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-820-100m-1-PD</b>			
		Min	Type	Max	
Center Wavelength@25°C		810nm	820nm	830nm	
Spectral Width (FWHM)		3.0nm			
Output Power		100mW			
Recommended Operating Temperature		25°C			
Beam Divergence (FWHM)		$30^\circ \pm x 8^\circ //$			
Monitor Current		0.5mA			
PD MAX Reverse Voltage		25V			
Slope Efficiency		----	0.85mW/mA	----	
Threshold Current (Typ.)		----	30mA	60mA	
Operating Current (Typ.)		----	160mA	180mA	
Operating Voltage			2.2V	2.7V	
Package Style		TO18			



**TO18(5.6mm) Package View**



**PIN Bottom View:**



1	LD(-)
2	LD(+)&PD(-)
3	PD(+)

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

