
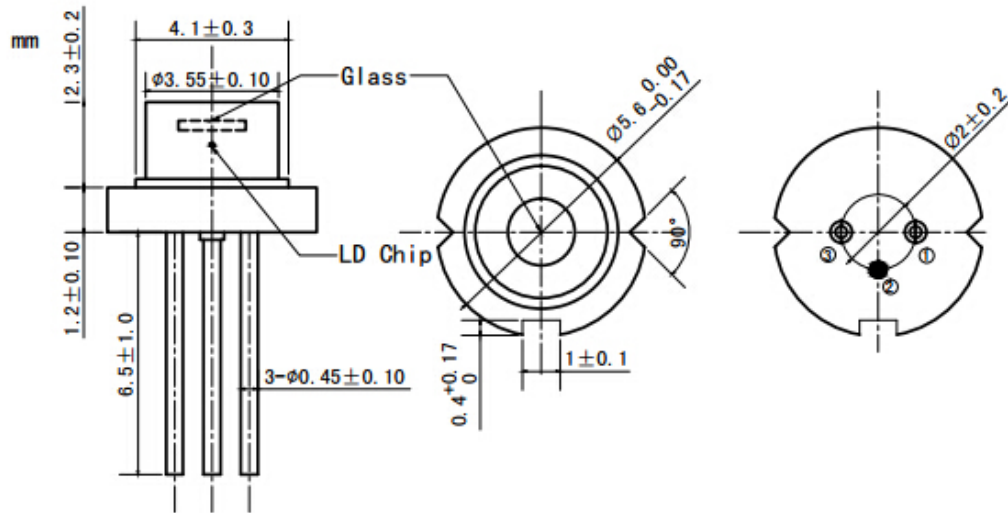


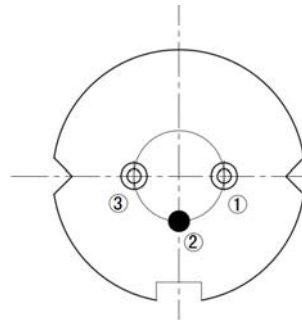
**780nm~785nm 120mW Single Mode LD| SM Laser Diode|5.6mm TO18 Package**  
**785nm SM Infrared Laser Diodes |Single Mode LD | Built-in Photodiode**  
**RWLD-785-120m-1-PD-R**

785nm Laser Diode PD 120mW/TO18			
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	-20~+60	°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>● 785nm</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>RWLD-785-120m-1-PD-R</b>		
	Min	Type	Max
Center Wavelength@25°C	775nm	785nm	800nm
Spectral Width (FWHM)	2.0nm		
Output Power (CW)	120mW		
Recommend Operating Temperature	25°C		
Beam mode	Single Transverse Mode		
Beam Divergence (FWHM)	$35^{\circ} \pm x 5^{\circ} //$	$36^{\circ} \pm x 9^{\circ} //$	$42^{\circ} \pm x 12^{\circ} //$
Monitor Current		0.2mA	
Slope Efficiency	----	1.0mW/mA	----
Threshold Current (Typ.)	----	35mA	65mA
Operating Current (Typ.)	----	150mA	170mA
Operating Voltage	----	2.0V	2.4V
Package Style	TO18		
Photodiode	Built-in		

**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.

