
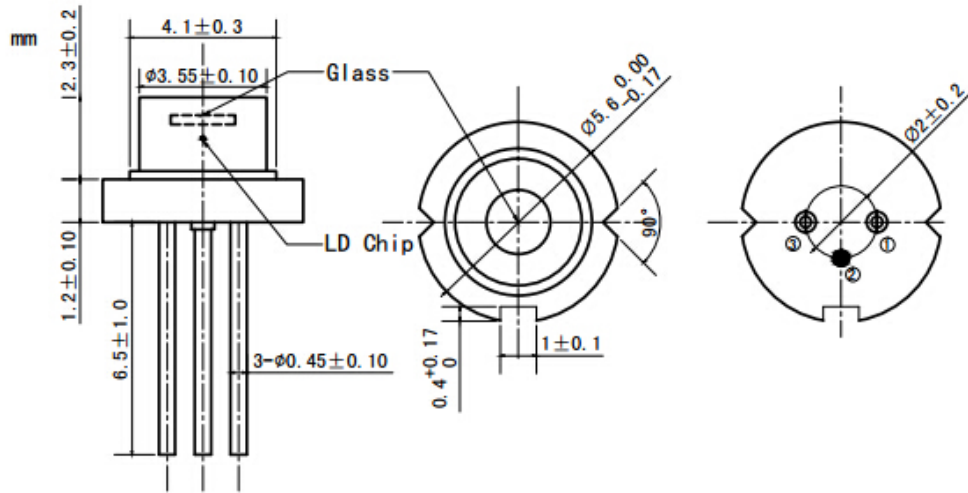


**405nm 250mw Single Mode Laser Diode | SM LD |Violet LD |5.6mm Package**
**405nm LD |250mw Power|TO18 Package**
**WSLD-405-250m-1**
**Wavespectrum Laser Group**
[www.wavespectrum-laser.com](http://www.wavespectrum-laser.com)

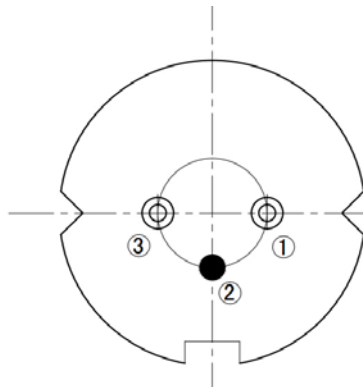
405nm Laser Diode		250mW/TO18		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE	UNIT		
Reverse Voltage	$V_r$	5.0	V		
Operating Temperature	$T_{op}$	0 ~ +70	°C		
Storage Temperature	$T_{stg}$	-40 ~ +85	°C		
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C		
<b>Features:</b> <ul style="list-style-type: none"> <li>● 405nm</li> <li>● Single Mode Beam</li> <li>● TO18 Package</li> </ul>					
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical Laser Treatment</li> <li>● Printing</li> <li>● Others</li> </ul>					
<b>Specifications</b>		<b>WSLD-405-250m-1</b>			
		Min	Type	Max	
Center Wavelength@25°C		±5nm	405nm	±10nm	
Spectral Width (FWHM)		2.0nm			
Output Power		----	250mW	----	
Recommended Operating Temperature		25°C			
Beam Divergence (FWHM)		----	20° <sub>⊥</sub> x 9° <sub>//</sub>	----	
Slope Efficiency		----	1.5mW/mA	----	
Threshold Current (Typ.)		----	30mA	60mA	
Operating Current (Typ.)		----	190mA	220mA	
Operating Voltage		----	5.5V	6.5V	
Package Style		TO18(5.6mm)			



**TO18 Package View**



**PIN Bottom View:**



1	LD(+)
2	GND
3	LD(-)

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

