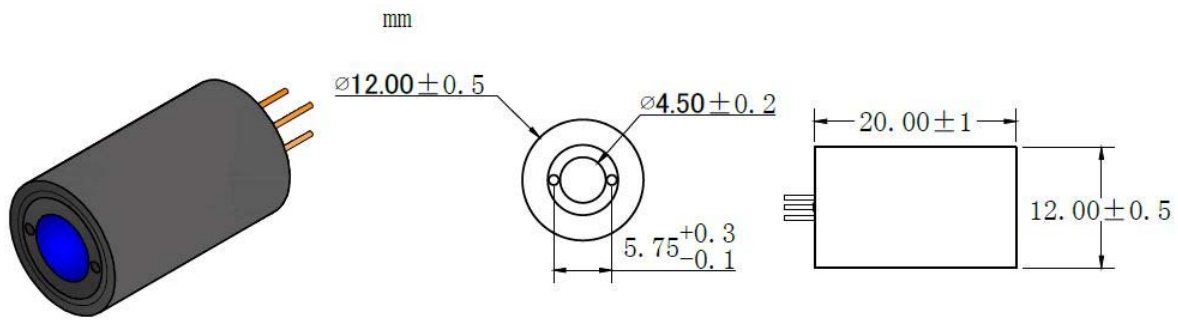


480nm~488nm Collimated Laser Diode Module | Single Mode LD| 50mW Output Power| Collimation Beam  
 488nm~490nm LD| Small Compact Package| Built-in PD Optional| Built-in TEC Cooling Optional  
 WSLM-488-050m-K Wavespectrum Laser Group www.wavespectrum-laser.com

488nm Collimated Laser Diode 50mW		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	-10~+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>• 488nm</li> <li>• Collimated Laser Beam</li> <li>• Small Compact Package</li> <li>• Excellent Beam Quality</li> <li>• Built-in PD Optional</li> <li>• Built-in TEC Cooling Optional</li> </ul>			
<b>Specifications</b>	<b>WSLM-488-050m-K</b>		
	Min	Type	Max
Center Wavelength@25°C	480nm	488nm	495nm
Output Power (CW Mode)	----	50mW	----
Spatial Mode	Single Mode		
Lens Type	Aspheric Lens (with AR Coating)		
Beam Shape	Elliptical		
Beam Diameter @ Aperture	----	3mm <sub>⊥</sub> x 1.5mm <sub>∥</sub>	----
Beam Divergence (Full Angle)	----	----	1mrad
Recommend Operating Temperature	25 °C		
Monitor Current	----	----	----
Threshold Current (Typ.)	----	30mA	70mA
Operating Current (Typ.)	----	130mA	150mA
Operating Voltage	----	6.5V	8.0V
Housing Material	Aluminum		
Housing Dimensions	Φ12mm×20 mm		

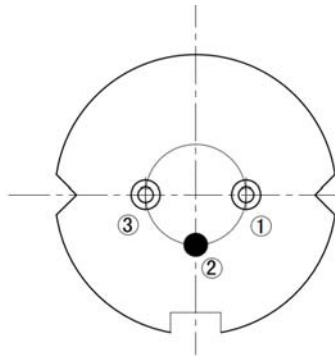


## Drawing



Bottom 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.

