


**405nm 50mW~60mW Fiber Coupled Laser Diode with 10um UV Fiber**
**405nm~410nm 50mW Coaxial Pigtailed Violet LD with 10um UV Fiber**

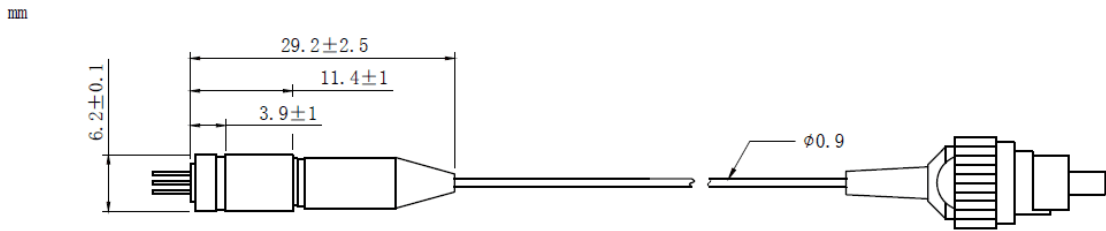
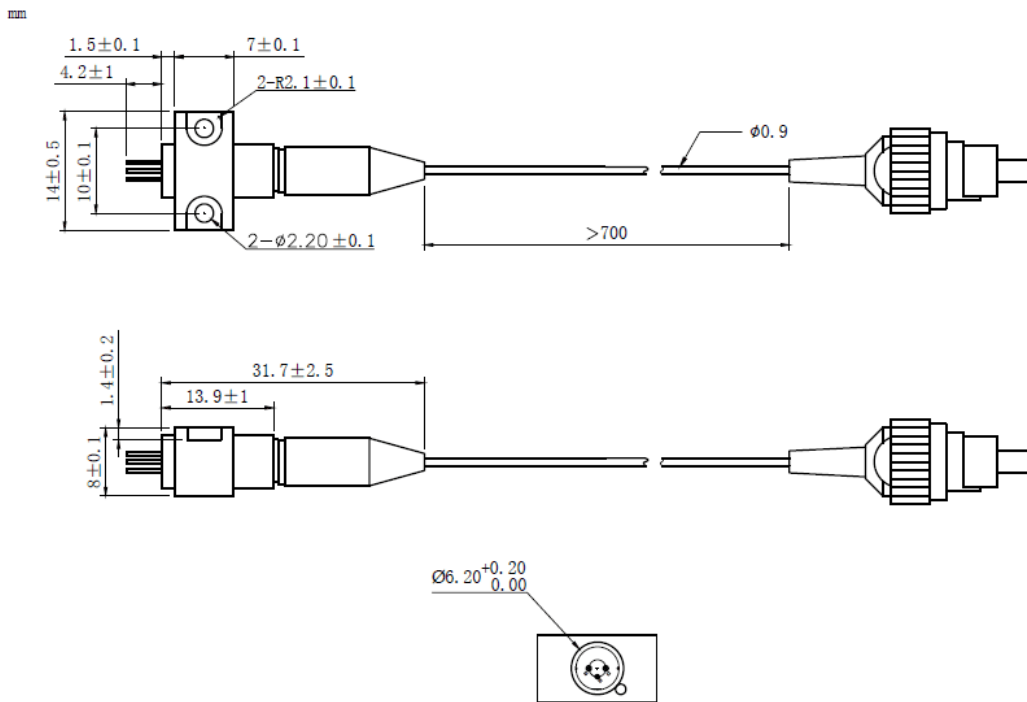
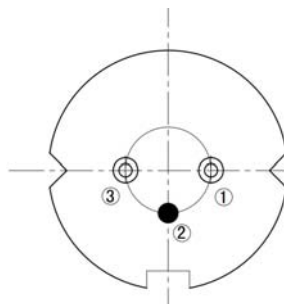
WSLP-405-050m-10

Wavespectrum Laser Group

[www.wavespectrum-laser.com](http://www.wavespectrum-laser.com)

405nm Pigtailed Diode Laser		50mW/10um Fiber		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE		UNIT	
Reverse Voltage	$V_r$	2.0		V	
Operating Temperature	$T_{op}$	-10~+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>● 10um UV Fiber</li> <li>● Coaxial or B82 Package</li> <li>● TEC Cooler Optional</li> </ul>					
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical Laser Treatment</li> <li>● Others</li> </ul>					
<b>Specifications</b>	<b>WSLP-405-050m-10</b>				
	Min	Type	Max		
Center Wavelength@25°C	±5nm	405nm	±10nm		
Spectral Width (FWHM)	----	2.0nm	----		
Output Power	----	50mW	----		
Fiber Type	10um UV Fiber				
Recommend Operating Temperature	25°C				
Fiber Connector	FC/SC/SMA905				
Fiber Length	----	80cm	100cm		
Threshold Current	----	35mA	55mA		
Operating Current	----	140mA	160mA		
Operating Voltage	----	5.0V	5.8V		
Package Style	Coaxial or B82				



**Coaxial Package View: (Part Number: WSLP-405-050m-10)**

**B82 Package View: (Part Number: WSLP-405-050m-10-B)**

**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.

