
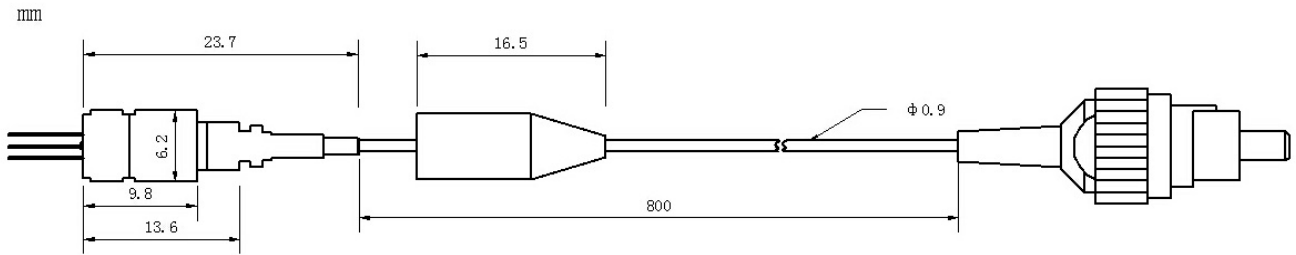


**445nm-450nm 20mw Coaxial Pigtailed Laser Diode with SMF | Blue Laser Module**  
**445nm | Blue Laser Diode | SM Fiber Coupled LD | 3um Single Mode Fiber (SM Fiber)**  
 WSLP-445-020m-4      Wavespectrum Laser Group      www.wavespectrum-laser.com

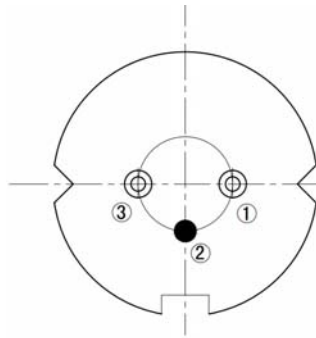
445nm Pigtailed Diode Laser 20mw		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+10~+70	°C
Storage Temperature	$T_{stg}$	-40~+85	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C
<b>Features:</b> <ul style="list-style-type: none"> <li>● 445nm</li> <li>● UV 3um SM Fiber</li> <li>● Coaxial 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>WSLP-445-020m-4</b>		
	Min	Type	Max
Center Wavelength@25°C	440nm	445nm	460nm
Spectral Width (FWHM)	----	2.0nm	----
Output Power	----	20mW	----
Fiber Core	3um		
Recommend Operating Temperature	25°C		
Monitor Current	----	----	----
PD Reverse Voltage	----	----	----
Fiber Connector	FC		
Fiber Length	----	80cm	100cm
Threshold Current (Typ.)	----	35mA	55mA
Operating Current (Typ.)	----	140mA	160mA
Operating Voltage	----	5.8V	6.5V
Package Style	Coaxial		



### Coaxial 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.

