


445nm~450nm 50mW Coaxial Pigtailed Diode Laser with MMF| Blue LD Module
450nm Fiber Coupled Laser Diode with 50um 60um 105um MM Fiber

WSLP-445-050m-M

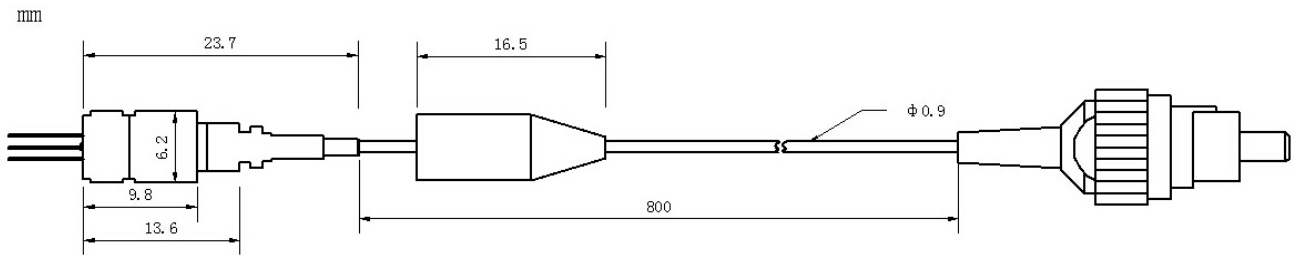
Wavespectrum Laser Group

www.wavespectrum-laser.com

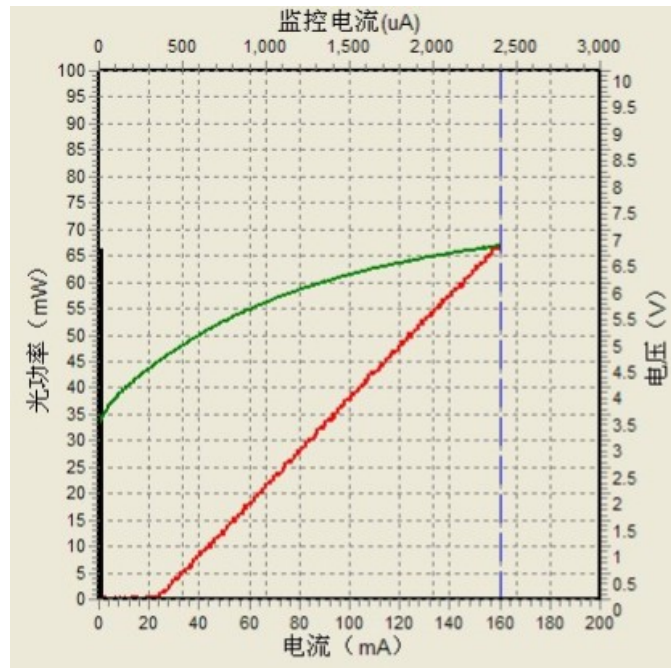
445nm Pigtailed Diode Laser		50mW/MM Fiber		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE	UNIT		
Reverse Voltage	V_r	2.0	V		
Operating Temperature	T_{op}	+10 ~ +70	°C		
Storage Temperature	T_{stg}	-40 ~ +85	°C		
Lead soldering temperature (10 sec.)	T_{is}	260	°C		
Features: <ul style="list-style-type: none"> ● 445nm ● Coaxial Package ● Fiber receptacle optional 					
Applications: <ul style="list-style-type: none"> ● Medical laser treatment ● Printing ● Others 					
Specifications	WSLP-445-050m-M				
	Min	Type	Max		
Center Wavelength@25°C	440nm	445nm	460nm		
Spectral Width (FWHM)	----	2.0nm	----		
Output Power	----	50mW	----		
Fiber Type	MM Fiber				
Fiber Core	62.5um (50um,105um optional)				
Recommend Operating Temperature	25°C				
Monitor Current	----	----	----		
PD Reverse Voltage	----	----	----		
Fiber Connector	FC/SC/SMA905				
Fiber Length	----	80cm	100cm		
Threshold Current (Typ.)	----	30mA	60mA		
Operating Current (Typ.)	----	140mA	160mA		
Operating Voltage	----	5.8V	6.5V		
Package Style	Coaxial				



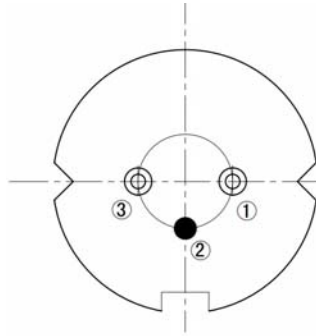
Coaxial Package View



PVI Curve



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.

