


405nm 100mW SM Coaxial Pigtailed Laser Diode LD with SMF

405nm Single Mode Fiber Coupled Laser Diode

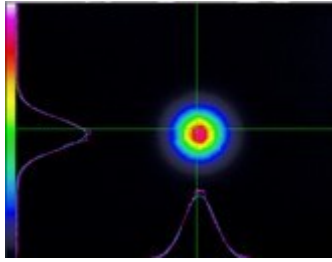
WSLP-405-100m-4

Wavespectrum Laser, Inc.

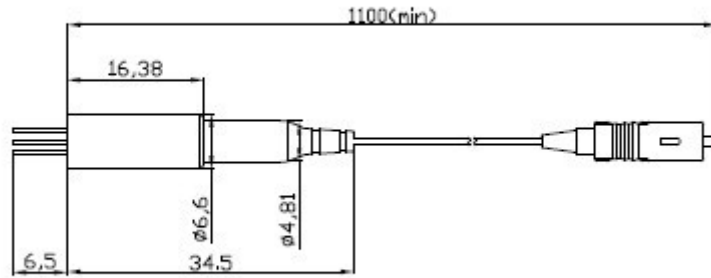
www.wavespectrum-laser.com

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
Features: <ul style="list-style-type: none"> ● 405nm ● 100mW output power ● 3~4um SM UV Fiber 			
Applications: <ul style="list-style-type: none"> ● Printing ● Others 			
Specifications	WSLP-405-100m-4		
	Min	Type	Max
Center Wavelength@25°C	400nm	405nm	410nm
Spectral Width (FWHM)	----	2.0nm	----
Output Power	----	90mw	100mW
Fiber Type	UV Single Mode Fiber		
Fiber Core	3um		
Slope Efficiency	1.1mW/mA	1.4mW/mA	2.0mW/mA
Recommended Temperature	25 °C		
N.A.	0.12		
Fiber Connector	FC/ST/SMA905		
Fiber Length	----	80cm	100cm
Threshold Current (Typ.)	----	35mA	50mA
Operating Current (Typ.)	----	190mA	200mA
Operating Voltage	----	4.6V	5.5V
Package Style	Coaxial		
Photodiodes	Optional		

Beam Quality

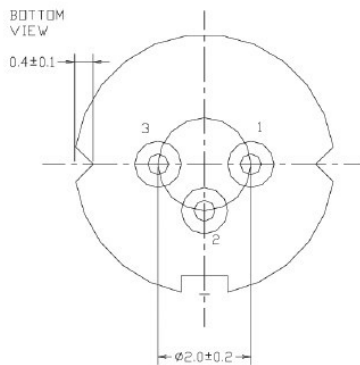


Coaxial Package View



单位: mm

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.

Caution
 On operation, if optical connectors are unterminated, modules can emit invisible laser radiation. Radiation emitted by laser devices can be dangerous to the eyes. Avoided eye or skin exposure to direct or scattered radiation

