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_{ls}	260	°C

Features:

- 405nm
- 100mW output power
- 3~4um SM UV Fiber

Applications:

- Printing
- Others

Specifications	WSLP-405-100m-4		
	Min	Type	Max
Center Wavelength@25℃	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 ℃		
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		

M SQUARE
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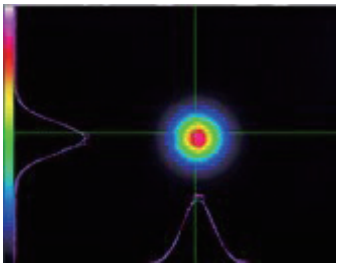
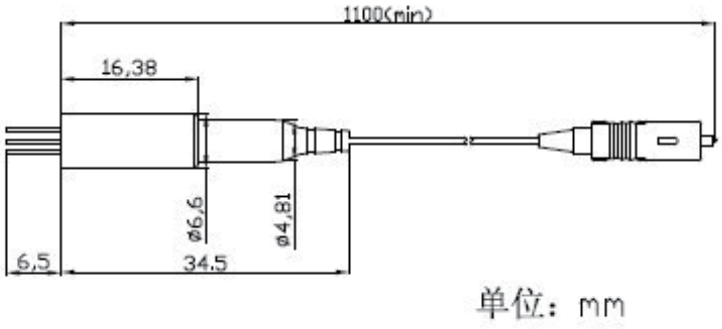
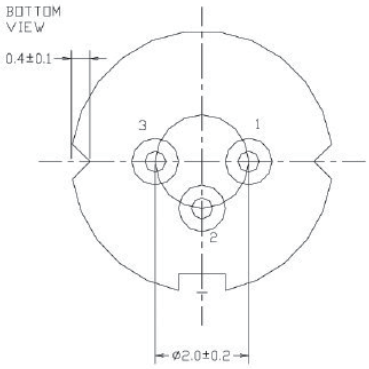
Beam Quality



Coaxial Package View

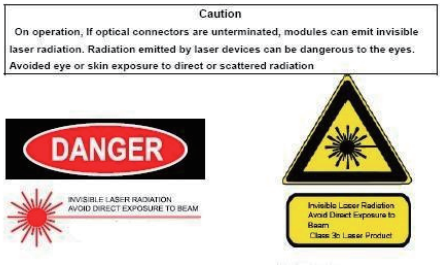


PIN Bottom View:



1	LD(+)
2	GND
3	LD(-)

Electrically shorten LD module and store in non-extreme conditions.
Suggest using the constant current power supply.



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