405nm 50mW SM Fiber coupled Laser Diode with PMF

405nm Single Mode Coaxial Pigtailed LD with Polarization Maintaining Fiber

WSLP-405-050m-PM Wavespectrum Laser, Inc. www.wavespectrum-laser.com

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	5.0	V
Operating Temperature	T_{op}	0~+70	°C
Storage Temperature	T_{stg}	-35 ~ +85	°C
Lead soldering temperature (10 sec.)	T_{ls}	260	°C

Features:

- 405nm
- 3~4um PM UV Fiber
- Coaxial package
- PD Optional

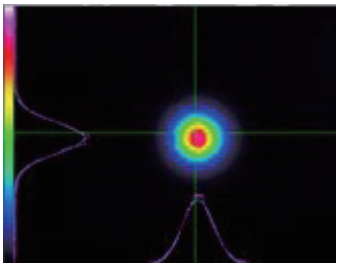
Applications:

- Medical laser treatment
- Printing

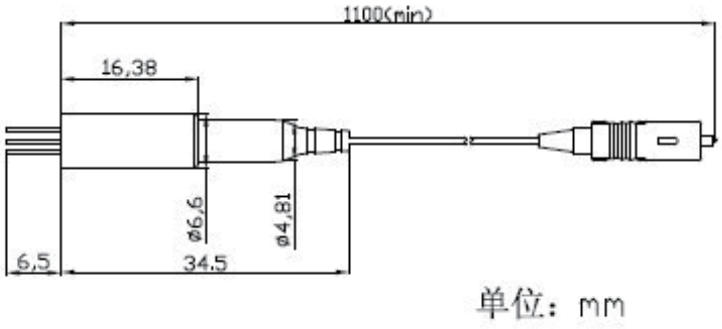
Specifications	WSLP-405-050m-PM		
	Min	Type	Max
Center Wavelength@25℃	400nm	405nm	410nm
Spectral Width (FWHM)	----	2.0nm	----
Output Power	----	50mw	60mW
Fiber Type	UV Polarization Maintaining Fiber		
Fiber Core	3um		
Slope Efficiency	1.0mW/mA	1.5mW/mA	2.0mW/mA
Monitor Current	----	----	----
PD Reverse Voltage	----	----	----
Fiber Connector	FC/ST/SMA905		
Fiber Length	----	80cm	100cm
Threshold Current (Typ.)	----	35mA	50mA
Operating Current (Typ.)	----	110mA	130mA
Operating Voltage	----	4.6V	5.5
Package Style	Coaxial		
Polarization Rate	18dB	20dB	----

M SQUARE
株式会社 エムスクエア https://www.mxmco.com info@mxmco.com
〒101-0051 東京都千代田区神田神保町1-34-2F TEL(03)3294-0560 FAX(03)6856-4866
〒815-0041 福岡市南区野間1-10-18 TEL(092)554-6800 FAX(092)554-6802

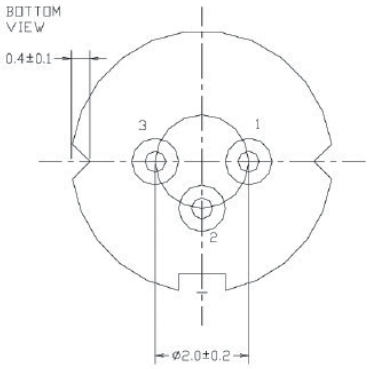
Beam Quality



Coaxial Package View

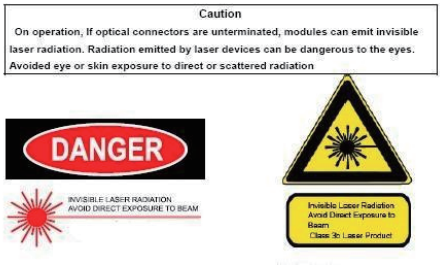


PIN Bottom View:



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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