405nm 200mw SM Laser Diode| Single mode LD
405nm SM LD| 200mw Power|3.8mm Package

WSLD-405-200m-1

405nm Laser Diode 200mw	Wavespectrum Laser, Inc

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	0~+70	℃
Storage Temperature	T_{stg}	-40 ~ +85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 405nm
- CW / Pulse
- Single mode beam
- 3.8mm package

Applications:

- Medical laser treatment
- Printing
- Others

Specifications	WSLD-405-200m-1		
	Min	Type	Max
Center Wavelength@25℃	400nm	405nm	410nm
Spectral Width (FWHM)		2.0nm	
Output Power (CW)	---	200mW	---
Beam Type		Single Mode	
Beam Divergence (FWHM)	15°⊥x 7°//	20°⊥x 9°//	24°⊥x 12°//
Recommended Operating Temperature		25 ℃	
Slope Efficiency	1.0mW/mA	1.3mW/mA	1.9mW/mA
Threshold Current (Typ.)	----	35mA	60mA
Operating Current (Typ.)	----	180mA	200mA
Operating Voltage	4.2V	4.6V	5.5V
Package Style		3.8mm	
Output Power (Pulse Mode)		400mW	
		Pulse Mode Condition : Width 30ns Duty 50%	

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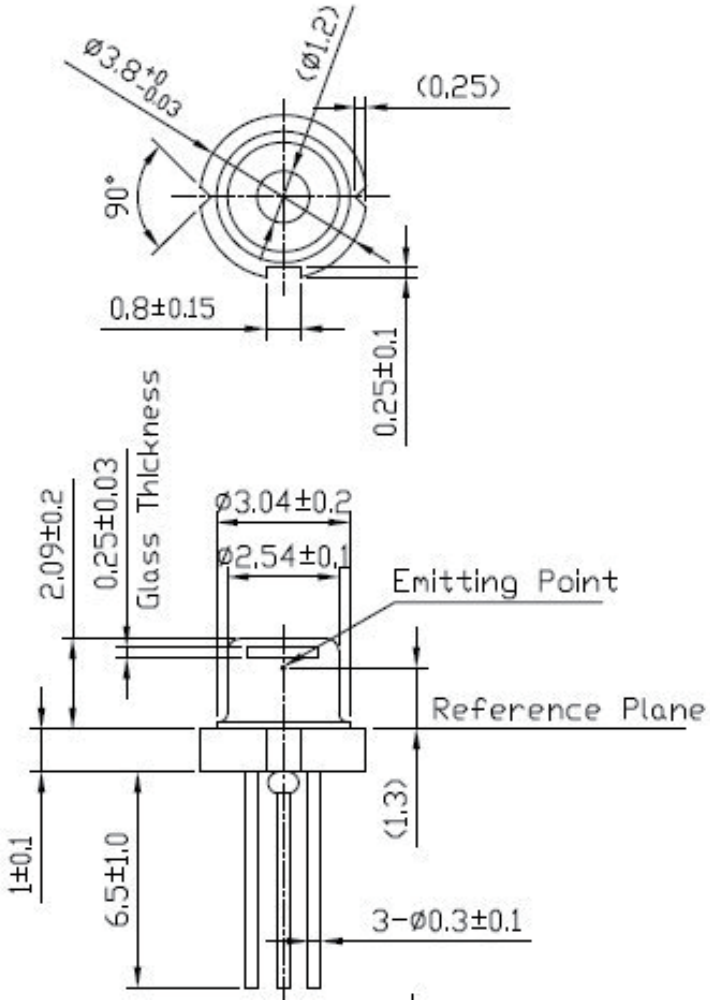
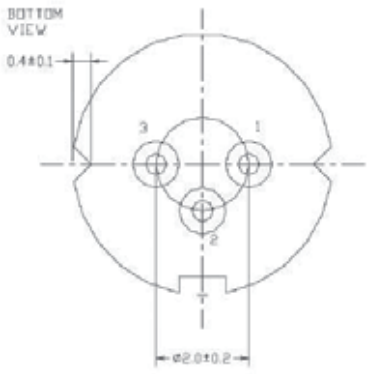
〒815-0041 福岡市南区野間 1-10-18 TEL(092)554-6800 FAX(092)554-6802

Drawing



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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