405nm 150mw SM Laser Diode| Single mode LD WSLD-405-150m-1

405nm SM LD| 150mw Power|3.8mm Package

405nm Laser Diode 150mw	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-405-150m-1		
	Min	Type	Max
Center Wavelength@25℃	400nm	405nm	410nm
Spectral Width (FWHM)		2.0nm	
Output Power (CW)	---	150mW	---
Beam Type		Single Mode Beam	
Beam Divergence (FWHM)	15°⊥x 7°//	20°⊥x 9°//	24°⊥x 12°//
Recommended Operating Temperature		25 ℃	
Slope Efficiency	----	1.6mW/mA	1.9mW/mA
Threshold Current (Typ.)	----	40mA	50mA
Operating Current (Typ.)	----	130mA	170mA
Operating Voltage	4.5V	5.0V	5.5V
Package Style		3.8mm	
Output Power (Pulse Mode)		300mW	
		Pulse Mode Condition : Width 30ns Duty 50%	

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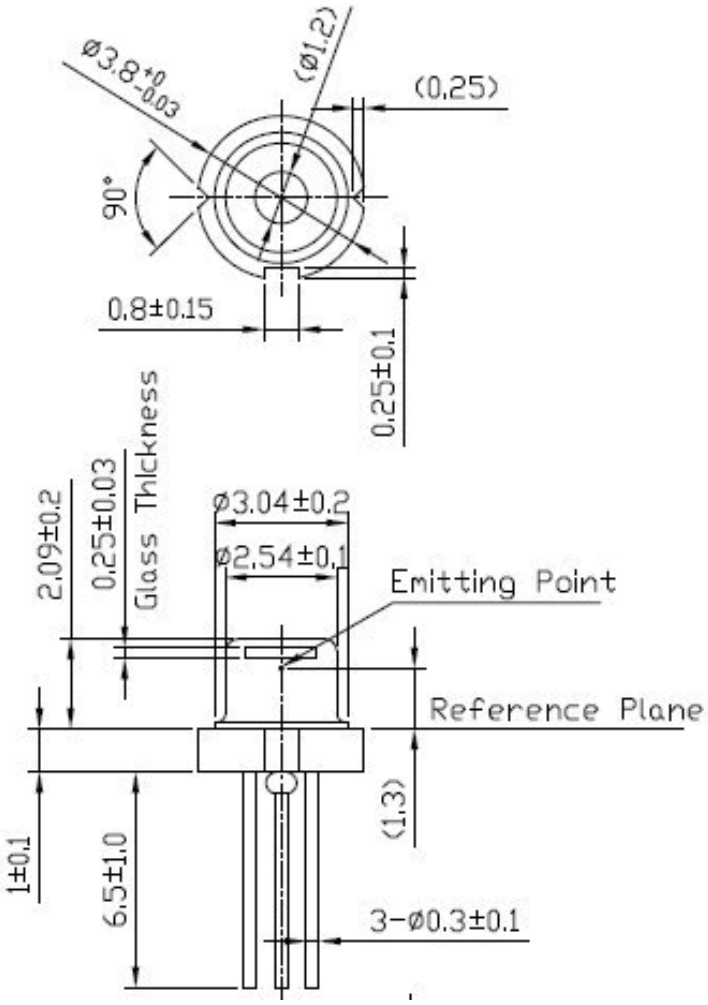
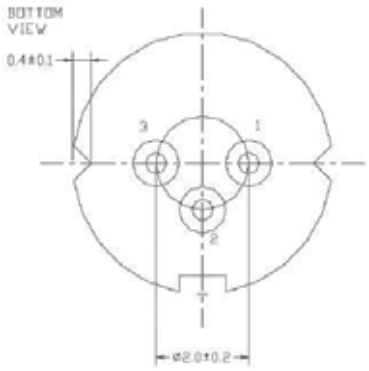
Drawing



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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