

405nm 150mw Single Mode Laser Diode | SM LD | 3.8mm Package

405nm LD |150mw Output Power|3.8mm small Package | Single Mode Beam

WSLD-405-150m-1

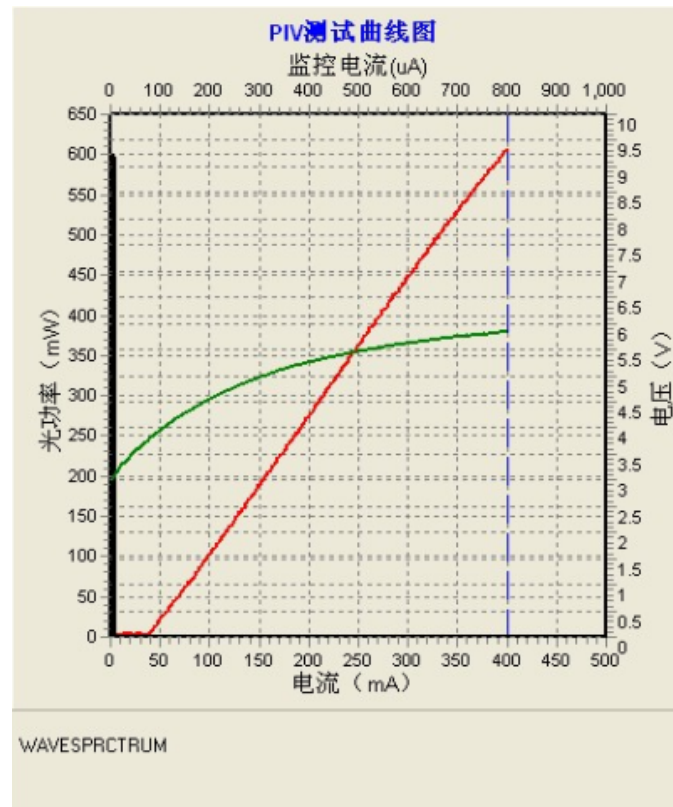
Wavespectrum Laser Group

www.wavespectrum-laser.com

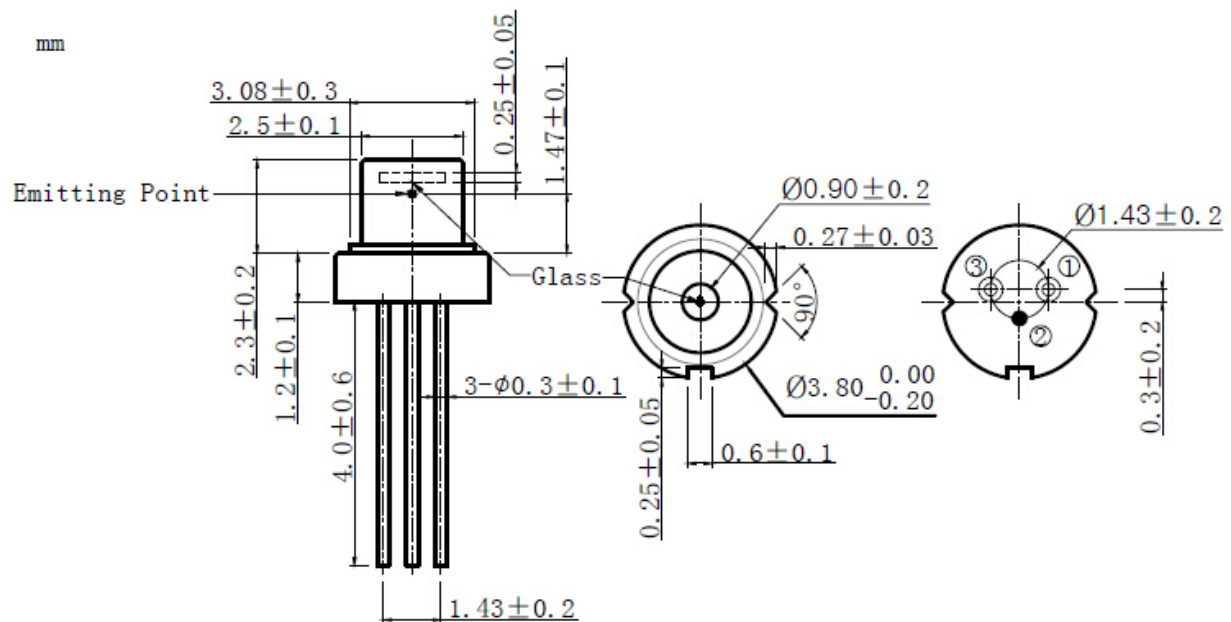
405nm Laser Diode		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V _r	2.0	V
Operating Temperature	T _{op}	-10 ~ +70	°C
Storage Temperature	T _{stg}	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	T _{is}	260	°C
Features: 405nm Single Mode Beam 3.8mm Package			
Applications: Medical Laser Treatment Printing Others			
Specifications		WSLD-405-150m-1	
		Min	TypeMax
Center Wavelength@25℃		405nm±10nm	
Spectral Width (FWHM)		2.0nm	
Output Power		----	150mW----
Laser Type		Single Mode	
Beam Divergence (FWHM)		15°± x 7° _{//}	19.5°± x 9° _{//} 23°± x 12° _{//}
Slope Efficiency		1.2mW / mA	1.4mW / mA1.9mW / mA
Threshold Current (Typ.)		----	35mA60mA
Operating Current (Typ.)		----	150mA170mA
Operating Voltage		----	5.0V6.0V
Package Style		3.8mm	



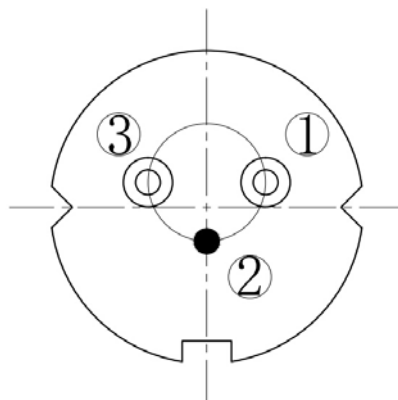
PVI Curve



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.

