520nm Laser Diode	Wavespectrum Laser Group

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-20~+60	℃
Storage Temperature	T_{stg}	-40~+85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

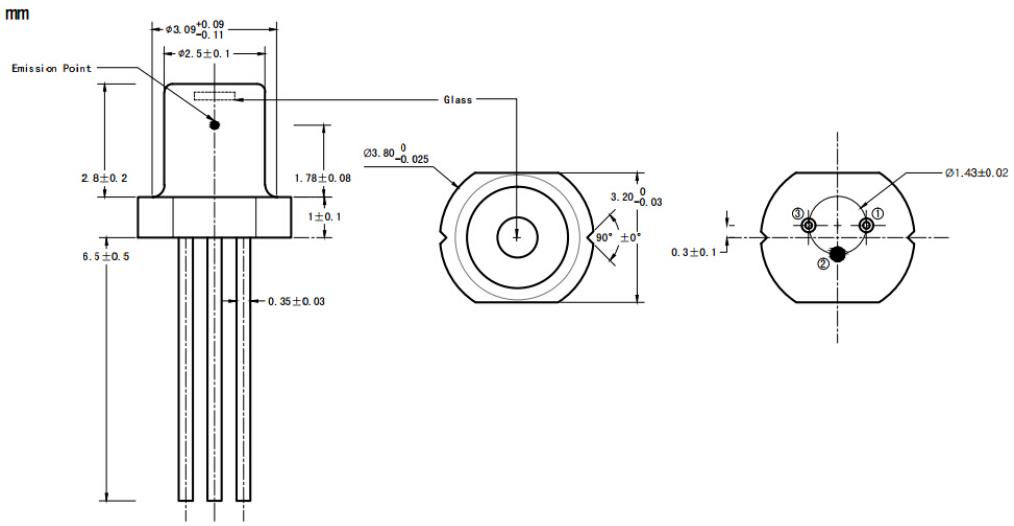
- 520nm
- 50mW
- Single Mode Beam
- 3.8mm Package

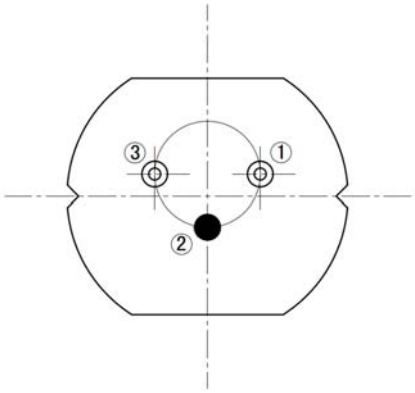
Applications:

- Medical laser treatment
- Laser Indicator
- Laser Detector

Specifications	WSLD-520-050m-1		
	Min	Type	Max
Center Wavelength@25℃	510nm	520nm	530nm
Spectral Width (FWHM)		2.0nm	
Output Power	----	40mW	50mW
LD Mode		Single Mode	
Beam Divergence (FWHM)	$5°_{\perp}$ x $15°_{//}$	$7°_{\perp}$ x $21°_{//}$	$12°_{\perp}$ x $24°_{//}$
Threshold Current (Typ.)	----	55mA	80mA
Operating Current (Typ.)	----	160mA	180mA
Operating Voltage	----	7.5V	8.0V
Package Style		3.8mm	

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.

Wavespectrum Laser Group
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