

515nm~520nm 50mW Laser Diode| Single mode Green LD

520nm SM LD| 40mW~50mW Power| 3.8mm Package Green diode laser

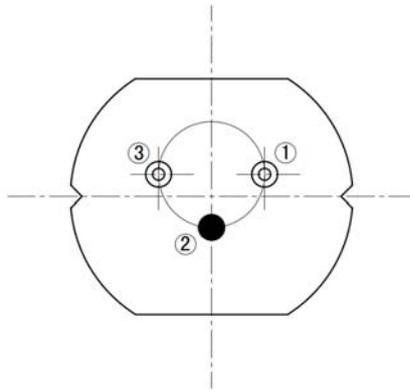
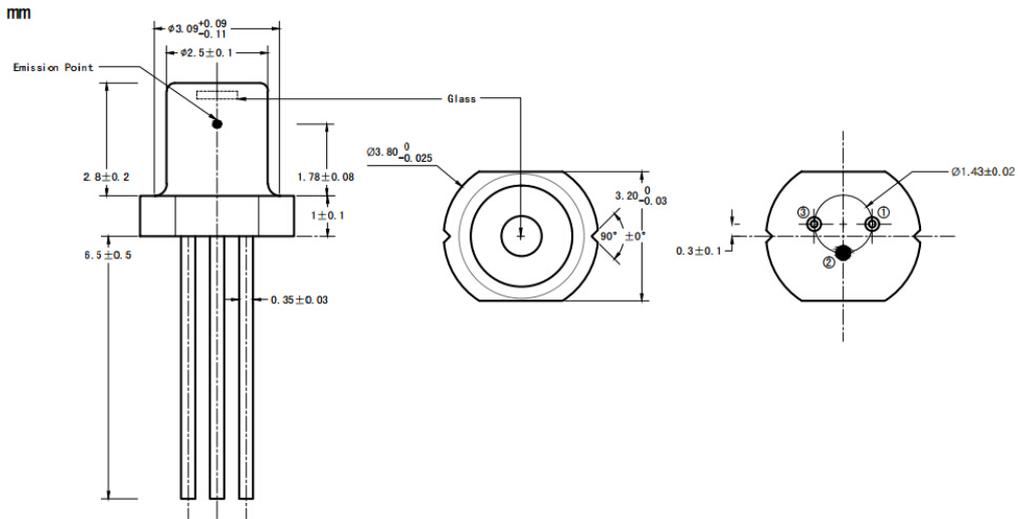
WSLD-520-050m-1

Wavespectrum Laser Group.

www.wavespectrum-laser.com

520nm Laser Diode		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-20~+60	°C
Storage Temperature	T_{stg}	-40~+85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C
Features: <ul style="list-style-type: none"> ● 520nm ● 50mW ● Single Mode Beam ● 3.8mm Package 			
Applications: <ul style="list-style-type: none"> ● Medical laser treatment ● Laser Indicator ● Laser Detector 			
Specifications	WSLD-520-050m-1		
	Min	Type	Max
Center Wavelength@25°C	510nm	520nm	530nm
Spectral Width (FWHM)	2.0nm		
Output Power	----	40mW	50mW
LD Mode	Single Mode		
Beam Divergence (FWHM)	$5^\circ_{\perp} \times 15^\circ_{//}$	$7^\circ_{\perp} \times 21^\circ_{//}$	$12^\circ_{\perp} \times 24^\circ_{//}$
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.



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