488nm～490nm 50mW～60mW Single Mode Laser Diode| High Power Blue LD | TO18 Package

485nm～488nm～492nm LD| 50mW Power|5.6mm Package Blue SM Diode Laser

WSLD-488-050m-1 Wavespectrum Laser Group. www.wavespectrum-laser.com

488nm Laser Diode 50mW/TO18 Wavespectrum Laser Group

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

Features:

- 488nm
- 50mW
- TO18 Package

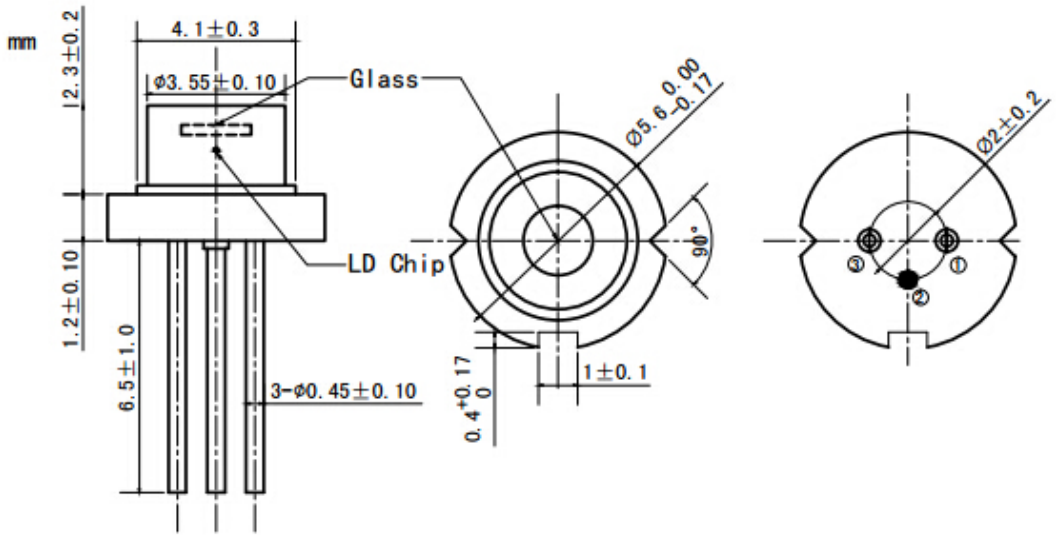
Applications:

- Medical Laser Treatment
- Laser Indicator
- Laser Detector

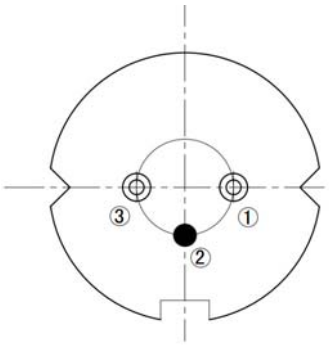
Specifications	WSLD-488-050m-1		
	Min	Type	Max
Center Wavelength@25℃	±3nm	488nm	±10nm
Spectral Width (FWHM)		2.0nm	
Output Power	----	50mW	----
Laser Mode		Single Mode	
Beam Divergence (FWHM)	----	8°⊥ x 24°//	12°⊥ x 26°//
Threshold Current (Typ.)	----	35mA	65mA
Operating Current (Typ.)	----	110mA	130mA
Operating Voltage	----	6.5V	8.0V
Recommended Operating Temperature		25℃	
Package Style		TO18	

Wavespectrum Laser Group
www.wavespectrum-laser.com
sales@wavespectrum-laser.com

PIN Bottom View:



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
www.wavespectrum-laser.com
sales@wavespectrum-laser.com