

635nm 50mw Single Mode SM Laser Diode | With Photodiode

635nm~638nm SM LD|50mW Power|5.6mm Package | Red Laser Diode With PD

WSLD-635-050m-1-PD

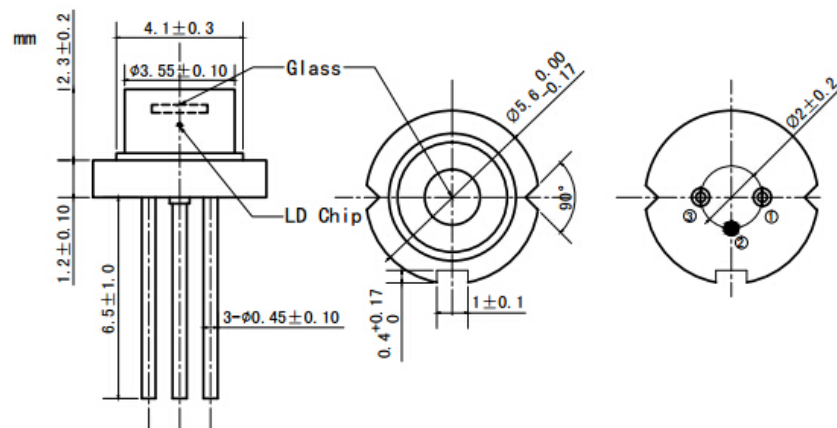
Wavespectrum Laser Group

www.wavespectrum-laser.com

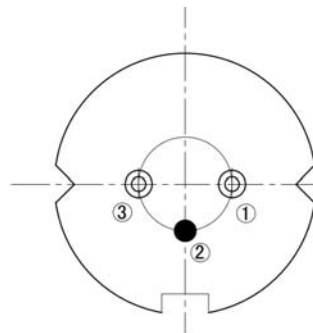
635nm Laser Diode SM		50mW/TO18	en.wavespectrum-laser.com.cn	
PARAMETER	SYMBOL	VALUE		UNIT
Reverse Voltage	V _r	2.0		V
Operating Temperature	T _{op}	-10 ~ +50		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead soldering temperature (10 sec.)	T _{is}	260		°C
Features:				
638nm - CW Mode - Built-in PD - Single Transverse Mode - TO18 Package				
Applications:				
- Medical Laser Treatment - Laser Indicator - Laser Detector				
Specifications		WSLD-635-050m-1-PD		
		Min	Type	Max
Center Wavelength@25℃		638nm±10nm		
Spectral Width (FWHM)		----	2.0nm	----
Output Power		40mW	50mW	----
Recommended Operating Temperature		25℃		
Beam Divergence (FWHM)		15° _⊥ x 6° _{//}	22° _⊥ x 10° _{//}	25° _⊥ x 15° _{//}
Monitor Current		----	0.2mA	----
PD Reverse Voltage		----	----	30V
Threshold Current (Typ.)		----	40mA	65mA
Operating Current (Typ.)		----	90mA	110mA
Operating Voltage		----	2.4V	2.7V
Package Style		TO18		



Package View



Pin Out



PIN 1	LD(-)
PIN 2	LD(+) & PD(-), CASE
PIN 3	PD(+)

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

