

830nm 50mW Single Mode Laser Diodes with 5.6mm Package | Built-in PD

830nm SM LD with TO18 Package

WSLD-830-050m-1-PD

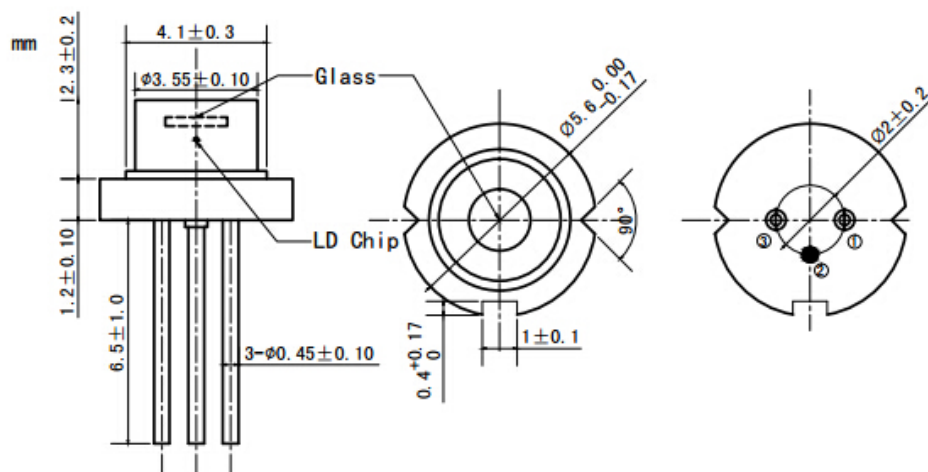
Wavespectrum laser Group.

www.wavespectrum-laser.com

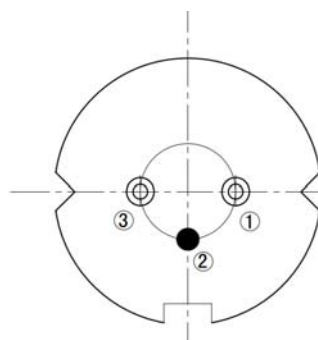
830nm Laser Diode		50mW/TO18	Wavespectrum Laser Group	
Reverse Voltage	V _r	2	V	
Operating Temperature	T _{op}	-10 ~ +50	°C	
Storage Temperature	T _{stg}	-40 ~ +85	°C	
Lead soldering temperature (10 sec.)	T _{is}	260	°C	
Features: 830nm - Single Mode LD - Built-in PD - TO18 Package				
Applications: - Medical Laser Treatment - Laser Indicator - Laser Detector				
Specifications		WSLD-830-050m-1-PD		
		Min	Type	Max
Center Wavelength@25℃		820nm	830nm	840nm
Spectral Width (FWHM)		----	2.0nm	----
Output Power		----	50mW	----
Recommended Operating Temperature		25℃		
Beam Divergence (FWHM)		----	20°± x 12° _{//}	26°± x 16° _{//}
Monitor Current		----	0.2mA	----
Slope Efficiency		----	1.0mW / mA	----
Threshold Current (Typ.)		----	15mA	20mA
Operating Current (Typ.)		----	65mA	75mA
Operating Voltage		----	2.2V	2.8V
Package Style		TO18		



TO18(5.6mm) Package View



PIN Bottom View:



1	LD(-)
2	LD(+) & PD(-)
3	PD(+)

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

Suggest using the constant current power supply.

