

850nm 50mW Single Mode Laser Diodes | Built-in PD

840nm~850nm SM LD | TO18 5.6mm | Single Mode | With Photodiode

WSLD-850-050m-1-PD

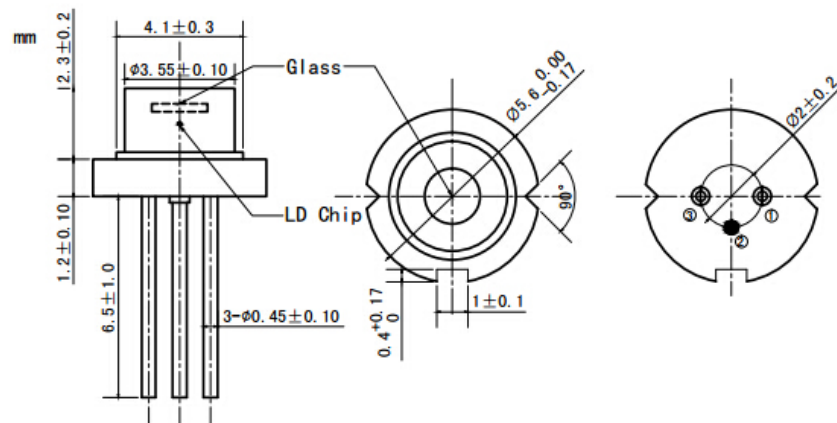
Wavespectrum Laser Group

www.wavespectrum-laser.com

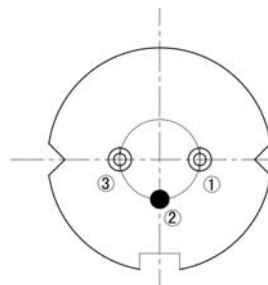
850nm Laser Diode		50mW/TO18		en.wavespectrum-laser.com.cn	
Reverse Voltage	V _r	2		V	
Operating Temperature	T _{op}	-10 ~ +60		°C	
Storage Temperature	T _{stg}	-40 ~ +85		°C	
Lead soldering temperature (10 sec.)	T _{is}	260		°C	
Features: 850nm - Single Mode Laser Diode - Built-in PD - TO18 Package					
Applications: - Medical Laser Treatment - Laser Indicator - Laser Detector					
Specifications		WSLD-850-050m-1-PD			
		Min	Type	Max	
Center Wavelength@25℃		840nm	850nm	860nm	
Spectral Width (FWHM)		----	2.0nm	----	
Output Power		----	50mW	----	
Recommended Operating Temperature		25℃			
Beam Divergence (FWHM)		----	20°⊥ x 11°//	27°⊥ x 16°//	
Monitor Current		----	0.15mA	----	
Slope Efficiency		----	0.95mW / mA	----	
Threshold Current (Typ.)		----	15mA	25mA	
Operating Current (Typ.)		----	70mA	80mA	
Operating Voltage		----	2.2V	2.5V	
Package Style		TO18			



Package View



Pin Out



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

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

Suggest using the constant current power supply.



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

