
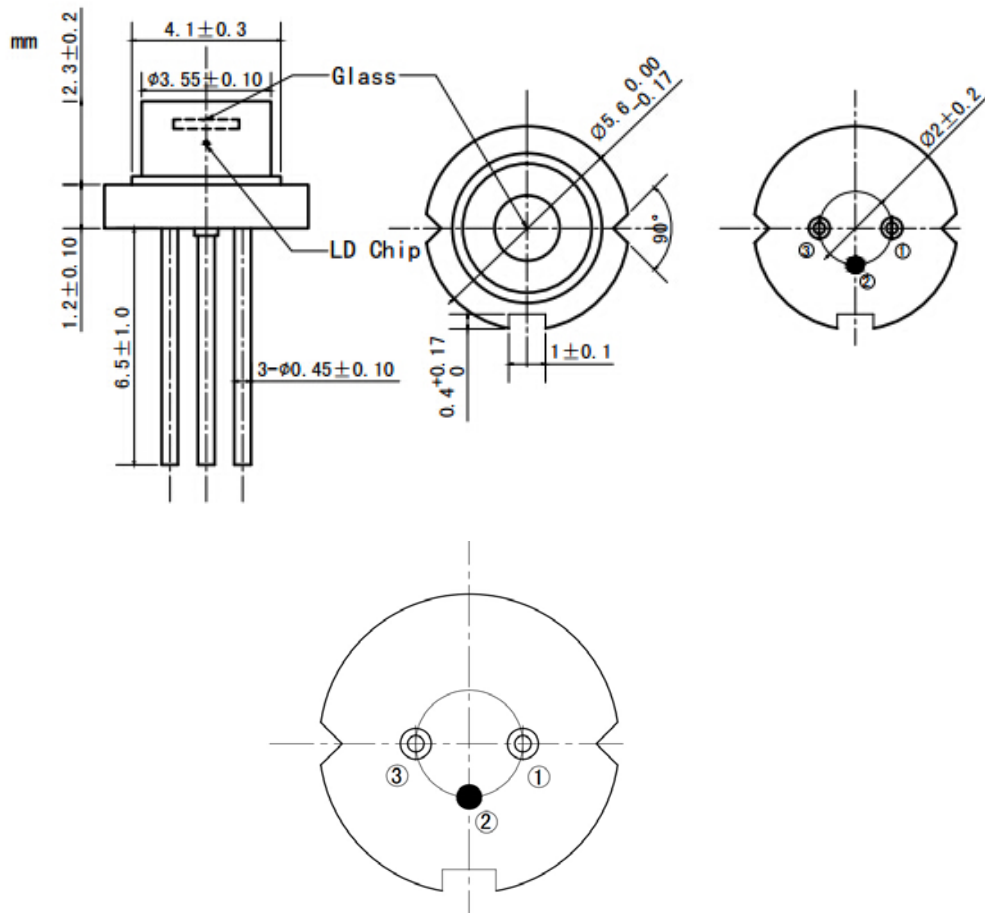


650nm~660nm 50mW Single Mode Laser Diode With TO18 Package |Built-in Photodiode
650nm 5.6mm Package|50mW| SM LD |With PD
WSLD-650-050m-1-PD
Wavespectrum Laser Group.
www.wavespectrum-laser.com

658nm Laser Diode		50mW		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE		UNIT	
Reverse Voltage	V_r	2.0		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: <ul style="list-style-type: none"> ● 658nm ● Single Mode ● TO18 package 					
Applications: <ul style="list-style-type: none"> ● Medical laser treatment ● Laser indicator 					
Specifications		WSLD-650-050m-1-PD			
		Min	Type	Max	
Center Wavelength@25°C		±3nm	658nm	±10nm	
Spectral Width (FWHM)		2.0nm			
Output Power		----	50mW	----	
Emitter		Single			
Beam Divergence (FWHM)		----	9° _⊥ x 20° _{//}	12° _⊥ x 26° _{//}	
Monitor Current		0.3mA			
PD Reverse Voltage		30V			
Recommended Operation Temperature		25°C			
Slope Efficiency		----	1.0mW/mA	----	
Threshold Current (Typ.)		----	45mA	60mA	
Operating Current (Typ.)		----	100mA	120mA	
Operating Voltage		----	2.7V	3V	
Package Style		TO18 (5.6mm)			



TO18 Package 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.

