

450nm 100mW Laser Diode| Single mode LD With TO18 Package

445nm~450nm 100mW SM LD| 100mW Output Power | Blue Laser Diode | Single Mode Beam

WSLD-445-100m-1

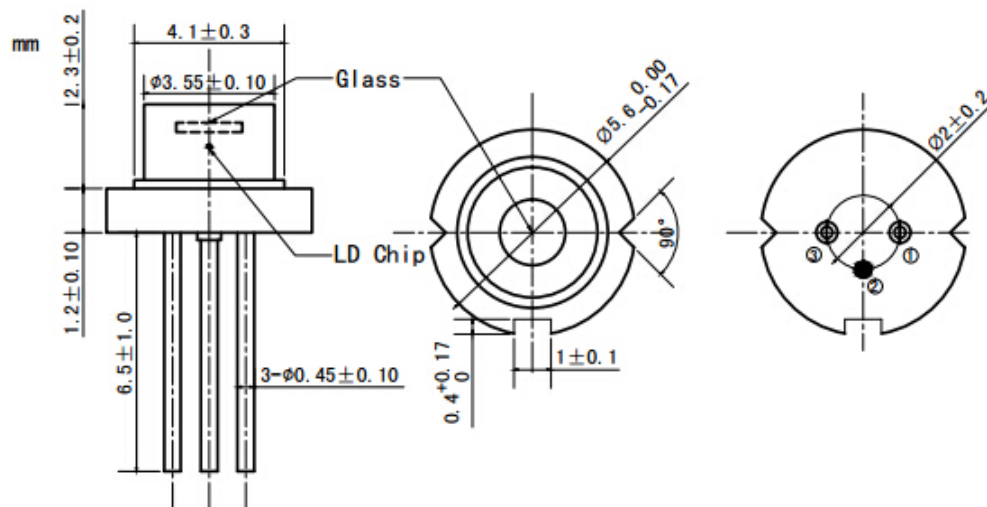
Wavespectrum Laser Group

www.wavespectrum-laser.com

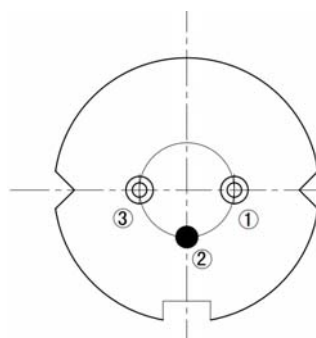
445nm Laser Diode		100mW/TO18	Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE		UNIT
Reverse Voltage	V _r	2.0		V
Operating Temperature	T _{op}	-10 ~ +70		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead soldering temperature (10 sec.)	T _{is}	260		°C
Features:				
445nm 100mW Output Power - Single Mode Beam				
Applications:				
- Medical Laser Treatment - Laser Indicator - Laser Detector				
Specifications		WSLD-445-100m-1		
		Min	Type	Max
Center Wavelength@25℃		440nm	450nm	460nm
Spectral Width (FWHM)		2.0nm		
Output Power		----	100mW	----
Emitter		Single		
Beam Divergence (FWHM)		----	25°⊥ x 10°//	----
Recommended Operating Temperature		25℃		
Slope Efficiency		----	1.0mW / mA	----
Threshold Current (Typ.)		----	25mA	60mA
Operating Current (Typ.)		----	140mA	160mA
Operating Voltage		----	6.0V	7.0V
Package Style		TO18		



TO18 Package :



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.

