450nm 80mW～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 ~+60	℃
Storage Temperature	T_{stg}	-40 ~+85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 445nm
- 100mW 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	80mW	----	100mW
Emitter		Single	
Beam Divergence (FWHM)	----	25°⊥ x 10°//	----
Recommended Operating Temperature		25℃	
Slope Efficiency	----	1.0mW/mA	----
Threshold Current (Typ.)	----	25mA	55mA
Operating Current (Typ.)	----	120mA	140mA
Operating Voltage	----	5.5V	6.5V
Package Style		TO18	

Wavespectrum Laser Group
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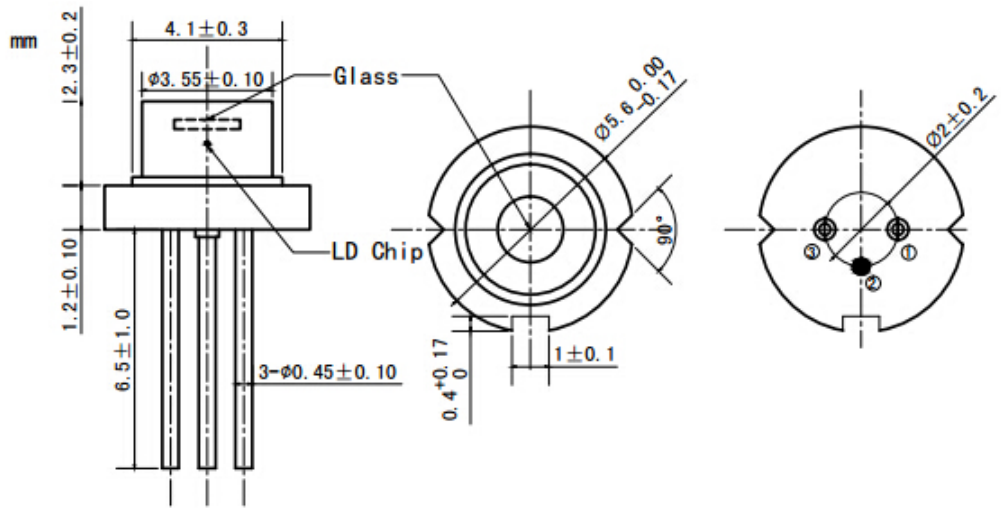
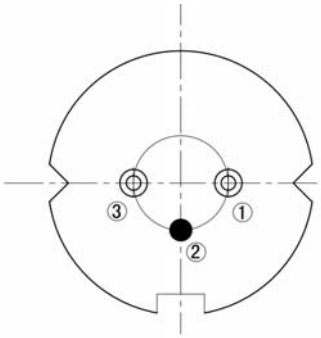
TO18 Package :



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.

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