

980nm 200mW Multi-mode Laser Diodes with Photodiode

976nm~980nm 200mW LD with TO18 5.6mm

WSLD-980-200m-1-PD

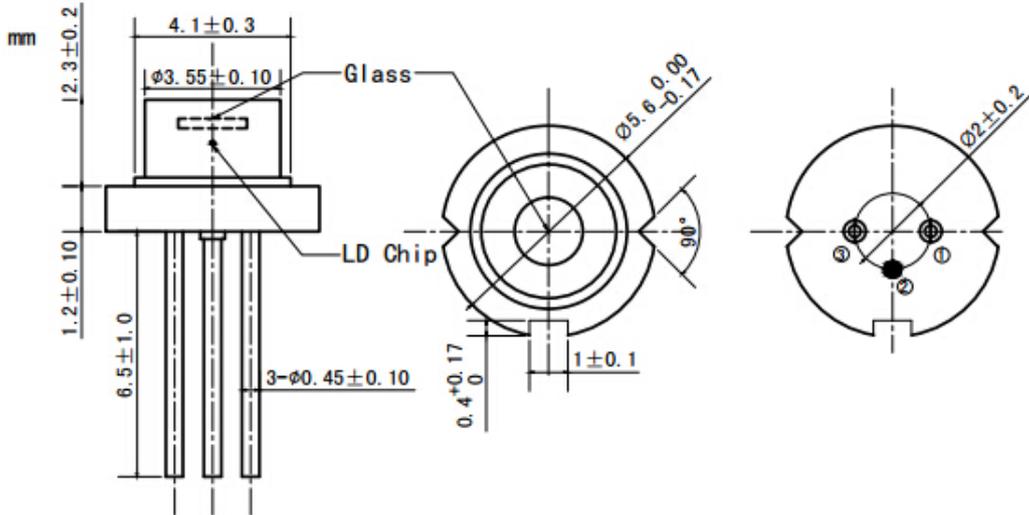
Wavespectrum laser Group

www.wavespectrum-laser.com

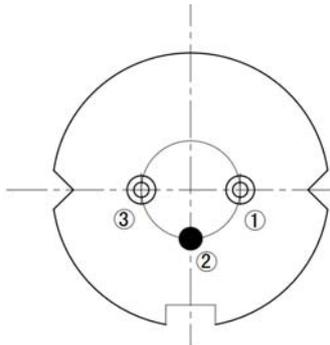
980nm Laser Diode		200mW/TO18		Wavespectrum Laser Group	
Reverse Voltage	V_r	2.0		V	
Operating Temperature	T_{op}	-10~+40		°C	
Storage Temperature	T_{stg}	-40~+85		°C	
Lead soldering temperature (10 sec.)	T_{is}	260		°C	
Features: <ul style="list-style-type: none"> 980nm Multi-mode Laser Diode TO18 Package Built-in PD 					
Applications: <ul style="list-style-type: none"> Medical Laser Treatment Laser Indicator Laser Detector 					
Specifications		WSLD-980-200m-1-PD			
		Min	Type	Max	
Center Wavelength@25°C		±5nm	976nm	±15nm	
Spectral Width (FWHM)		----	3.0nm	----	
Output Power		----	200mW	----	
Emitter Size		----	35um*1um	----	
Beam Divergence (FWHM)		----	30°± x 8°//	----	
Temperature Coefficient of Wavelength		----	0.3nm / °C	----	
Slope Efficiency		----	0.7mW/mA	----	
Threshold Current (Typ.)		----	60mA	85mA	
Operating Current (Typ.)		----	350mA	380mA	
Operating Voltage		----	1.6V	2.2V	
Package Style		TO18			
Recommended Operating Temperature		25°C			



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.

