

980nm 50mw SM laser diode

50mw 980nm Single Mode LD with 5.6mm TO18 Package

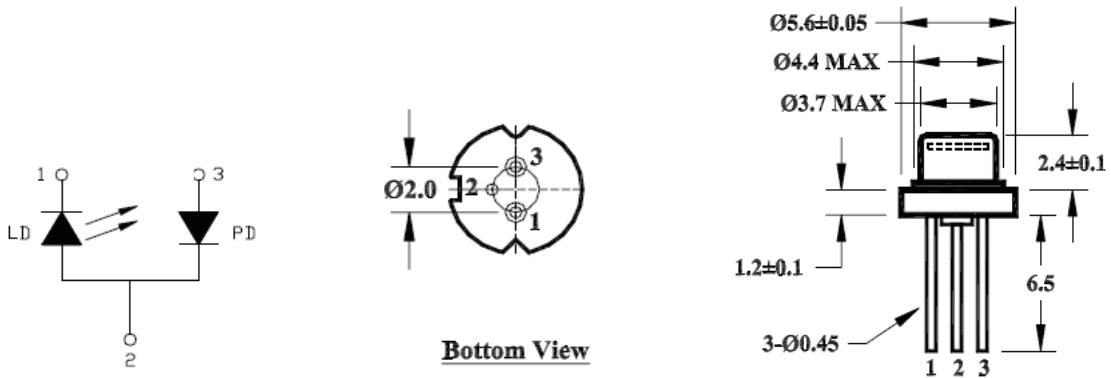
WSLD-980-050m-1-PD

Wavespectrum laser inc.

www.wavespectrum-laser.com

980nm Laser Diode		50mw	Wavespectrum Laser, Inc	
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	
<b>Features:</b> <ul style="list-style-type: none"> <li>980nm</li> <li>CW</li> <li>Built-in PD</li> <li>Single Mode LD</li> <li>TO18 package</li> </ul>				
<b>Applications:</b> <ul style="list-style-type: none"> <li>Medical laser treatment</li> <li>Laser indicator</li> <li>Laser detector</li> </ul>				
<b>Specifications</b>		<b>WSLD-980-050m-1-PD</b>		
		<b>Min</b>	<b>Type</b>	<b>Max</b>
Center Wavelength@25°C		970nm	980nm	990nm
Spectral Width (FWHM)		----	----	3.0nm
Output Power		----	50mw	----
Emitter Size		----	5um*1um	----
Beam Divergence (FWHM)		----	----	40° <sub>⊥</sub> x 12° <sub>//</sub>
Temperature Coefficient of Wavelength		----	0.3nm / °C	----
Slope Efficiency		0.8mW/mA	0.9mW/mA	----
Threshold Current (Typ.)		----	----	40mA
Operating Current (Typ.)		----	----	150mA
Operating Voltage		----	----	2.2V
Monitor Current		----	----	----
Package Style		TO18		

**TO18(5.6mm) Package View**



**Electrically shorten LD module and store in non-extreme conditions.  
Suggest using the constant current power supply.**

