


## 1450nm 0.5W LD| TO Can Laser Diode

### 1450nm 500mW High power Laser Diode

WSLD-1450-500m-3

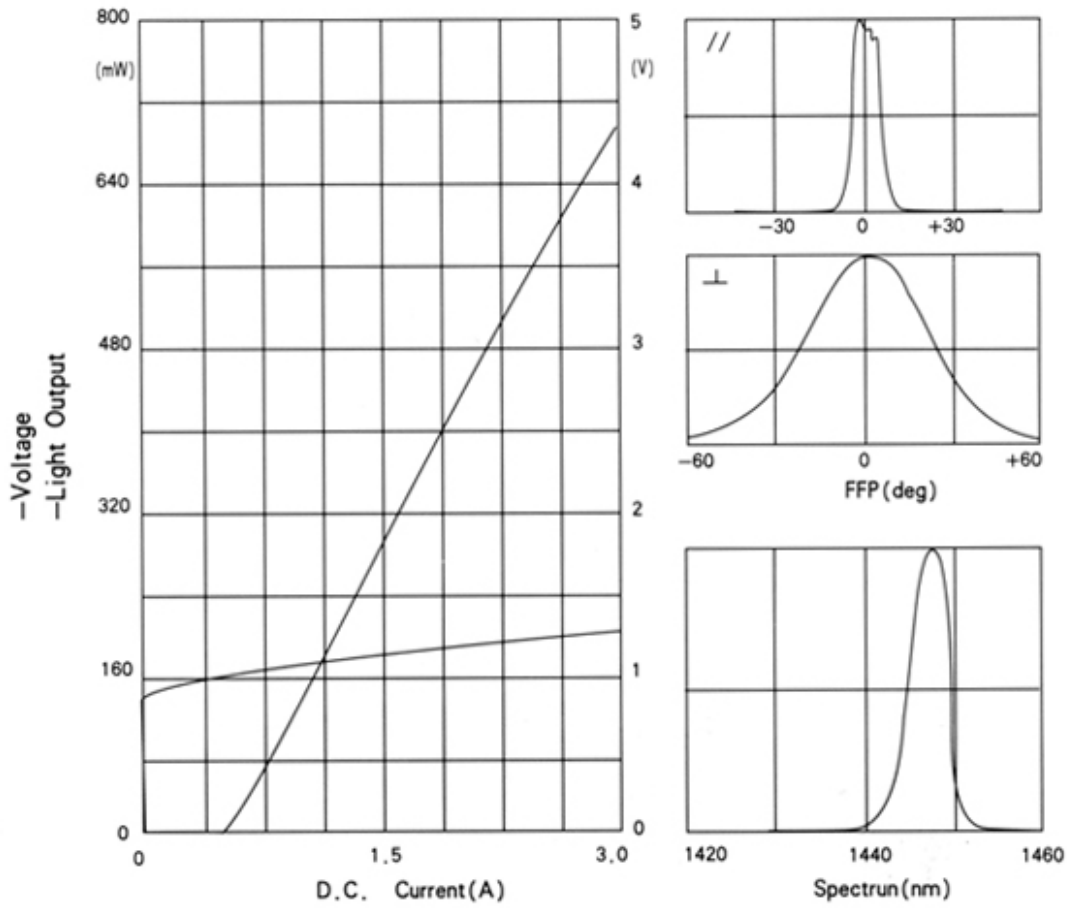
Wavespectrum laser inc.

www.wavespectrum-laser.com

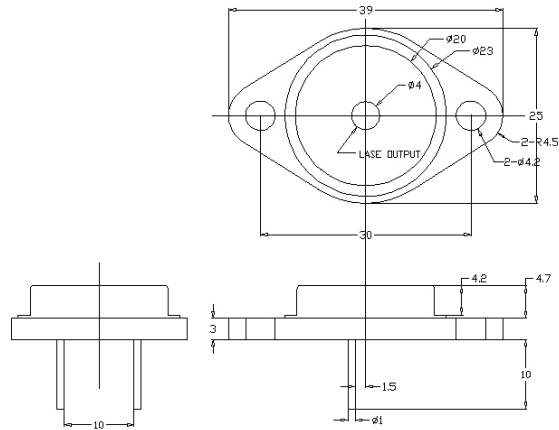
1450nm Laser Diode 500mw		Wavespectrum Laser, Inc		
Reverse Voltage	$V_r$	2.0	V	
Operating Temperature	$T_{op}$	-10~+40	°C	
Storage Temperature	$T_{stg}$	-40 ~ +85	°C	
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>1450nm</li> <li>0.5W Power</li> <li>TO3 package</li> </ul>				
<b>Applications:</b> <ul style="list-style-type: none"> <li>Medical laser treatment</li> </ul>				
<b>Specifications</b>		<b>WSLD-1450-500m-3</b>		
		<b>Min</b>	<b>Type</b>	<b>Max</b>
Center Wavelength@25°C		+/-10nm	1450nm	+/-20nm
Spectral Width (FWHM)		----	----	3.0nm
Output Power		----	500mW	----
Emitter Area		----	100x1μm	----
Beam Divergence (FWHM)		----	40°± x 10°//	42°± x 12°//
Temperature Coefficient of Wavelength		----	0.3nm / °C	----
Slope Efficiency		----	0.3mW/mA	----
Threshold Current (Typ.)		----	60mA	85mA
Operating Current (Typ.)		----	2.5A	2.9A
Operating Voltage		----	1.3V	1.5V
Package Style		TO3		



## Spectrum



## T03 Package View



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



Please contact us:

Website: [www.wavespectrum-laser.com](http://www.wavespectrum-laser.com) (for more detailed information)

Email: [info@wavespectrum-laser.com](mailto:info@wavespectrum-laser.com) (for inquiry about this product)

