


## 792nm 3W High Power LD with TO Package

792nm Laser Diode | 3W Power | TO3 Package | 150um Emitter Size

WSLD-792-003-3

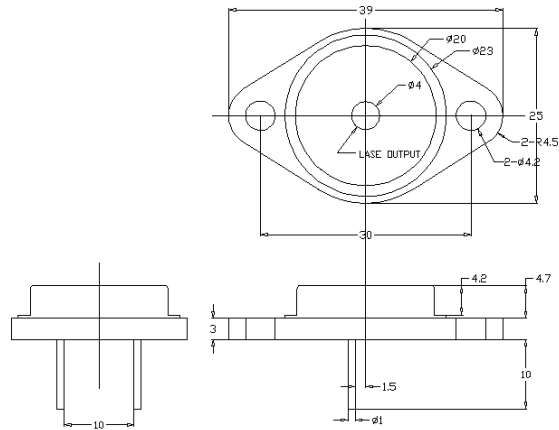
Wavespectrum Laser, Inc.

www.wavespectrum-laser.com

792nm Laser Diode 3W		Wavespectrum Laser, Inc		
PARAMETER	SYMBOL	VALUE	UNIT	
Reverse Voltage	$V_r$	2.0	V	
Operating Temperature	$T_{op}$	+15~+35	°C	
Storage Temperature	$T_{stg}$	-40 ~ +60	°C	
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>792nm</li> <li>Multimode</li> <li>TO3 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>				
Specifications		WSLD-792-003-3		
		Min	Type	Max
Center Wavelength@25°C		----	792nm +/-10nm	----
Spectral Width (FWHM)			2.0nm	
Output Power		----	3W	----
Emitter Area		----	150x1µm	----
Beam Divergence (FWHM)		----	70° <sub>⊥</sub> x 10° <sub>//</sub>	----
Temperature Coefficient of Wavelength		----	0.28nm / °C	----
Slope Efficiency		0.9W/A	1.1W/A	1.2W/A
Threshold Current (Typ.)		----	0.7A	----
Operating Current (Typ.)		----	3A	3.4A
Operating Voltage		----	2.0V	----
Package Style		TO3		



### T03 Package View



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

