760nm~770nm 2W TO3 Package Laser Diode

770nm Laser Diode| High Power LD| 2W Power| TO Package

WSLD-770-002-3 Wavespectrum Laser, Inc. www.wavespectrum-laser.com

770nm Laser Diode 2W	Wavespectrum Laser, Inc

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-10~+30	℃
Storage Temperature	T_{stg}	-40 ~ +85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 770nm
- Multimode
- TO3,C-mount package

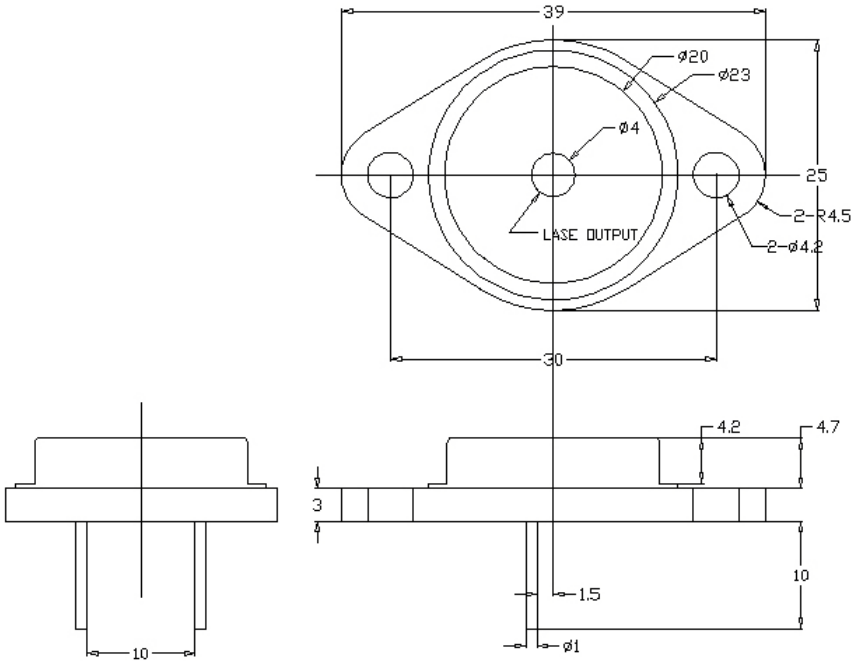
Applications:

- Medical laser treatment
- Laser indicator
- Others

Specifications	WSLD-770-002-3		
	Min	Type	Max
Center Wavelength@25℃	----	770nm+/-10nm	----
Spectral Width (FWHM)		2.0nm	
Output Power	----	2W	----
Emitter Area	----	150x1μm	-----
Beam Divergence (FWHM)	35°⊥ x 7°//	34°⊥ x 8°//	38°⊥ x 10°//
Temperature Coefficient of Wavelength	----	0.3nm / °C	----
Slope Efficiency	0.9W/A	1.0W/A	1.2W/A
Threshold Current (Typ.)	----	0.3A	0.5A
Operating Current (Typ.)	----	2.0A	2.7A
Operating Voltage	----	2.0V	2.5V
Package Style	TO3/C-mount		
Recommended Operating Temperature	25℃		

Wavespectrum Laser,Inc.
www.wavespectrum-laser.com
wavespectrumlaser@gmail.com

TO3 Package View



Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.