

830nm 1W laser diodes TO5 9mm package

830nm 1000mw High Power LD

WSLD-830-001-2-PD

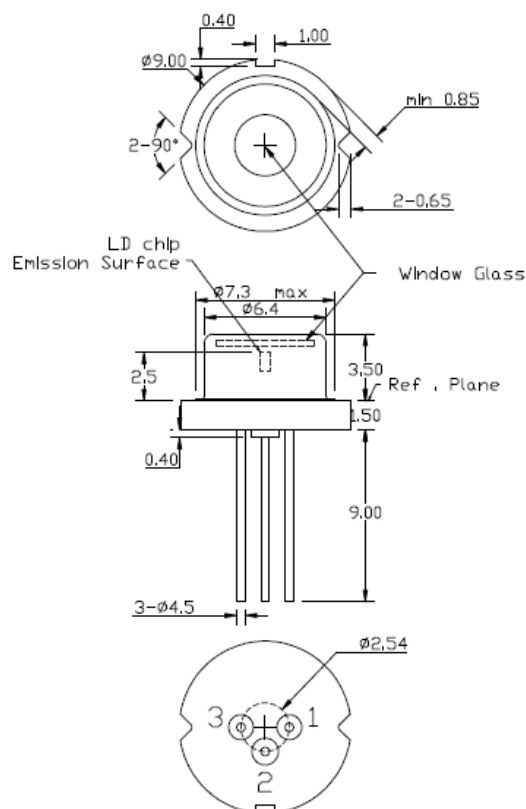
Wavespectrum laser inc.

www.wavespectrum-laser.com

808nm Laser Diode 1W		Wavespectrum Laser, Inc	
Reverse Voltage	V _r	2.0	V
Operating Temperature	T _{op}	- 10 ~ +30	°C
Storage Temperature	T _{stg}	- 40 ~ +85	°C
Lead soldering temperature (10 sec.)	T _{is}	260	°C
Features: 830nm TO5 package 1W Output Power Built-in PD Optional			
Applications: Medical laser treatment Laser indicator Others			
Specifications		WSLD-830-001-2-PD	
	Min	Type	Max
Center Wavelength@25°C	820nm	830nm	840nm
Spectral Width (FWHM)	----	2.5nm	----
Output Power	----	1W	----
Emitter Area	----	50x1μm	----
Beam Divergence (FWHM)	----	36° _⊥ x 10° _{//}	40° _⊥ x 12° _{//}
Temperature Coefficient of Wavelength	----	0.3nm / °C	----
Slope Efficiency	----	1.2W/A	----
Threshold Current (Typ.)	----	0.1A	----
Operating Current (Typ.)	----	1.2A	----
Operating Voltage	----	1.8V	----
Package Style	TO5 9mm		
Recommended Operating Temperature	25°C		



TO5(9mm) Package 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.



Please contact us:

Website: www.wavespectrum-laser.com (for more detailed information)

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

