

808nm~810nm 1W laser diodes TO5 9mm package

808nm 1000mw High Power LD with PD

WSLD-808-001-2-PD

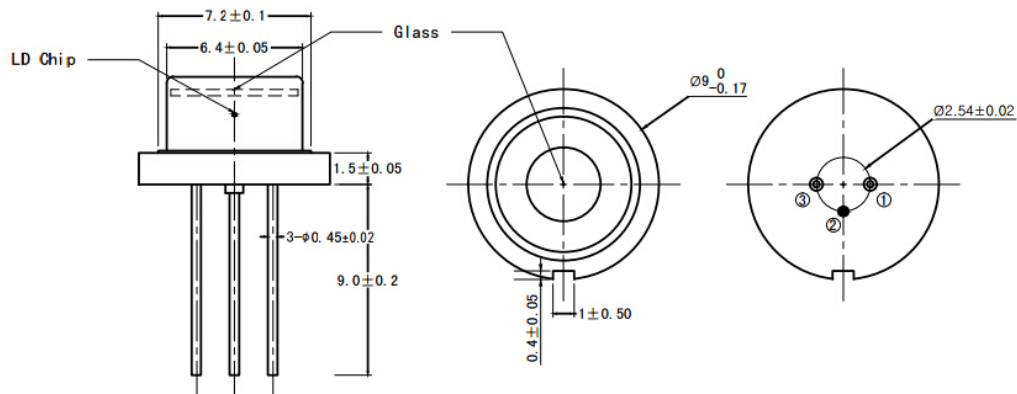
Wavespectrum laser Group.

www.wavespectrum-laser.com

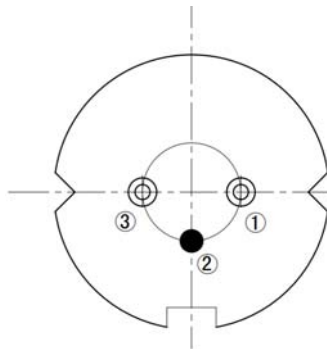
808nm Laser Diode 1W		Wavespectrum Laser Group	
Reverse Voltage	V _r	2.0	V
Operating Temperature	T _{op}	0 ~ +40	°C
Storage Temperature	T _{stg}	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	T _{is}	260	°C
Features: 808nm 1W output Power TO5 package Built-in PD Applications: Medical laser treatment Laser indicator Others			
Specifications			
	Min	Type	Max
Center Wavelength@25℃	±3nm	808nm	±5nm
Spectral Width (FWHM)	----	2.5nm	----
Output Power	----	1W	----
Monitor Current	----	0.1mA	----
Beam Divergence (FWHM)	----	38°⊥ x 10°//	40°⊥ x 12°//
Temperature Coefficient of Wavelength	----	0.3nm / °C	----
Slope Efficiency	----	1.0W / A	----
Threshold Current (Typ.)	----	0.35A	0.45A
Operating Current (Typ.)	----	1.4A	1.6A
Operating Voltage	----	1.8V	2.3V
Package Style	TO5		
Recommended Operating Temperature	25℃		



TO5(9mm) Package View



PIN Bottom 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.

