

1480nm~1490nm 1W Laser Diodes TO5 9mm Package

1490nm 1W High Power Multi-mode LD | Infrared Laser Diode

WSLD-1490-001-2

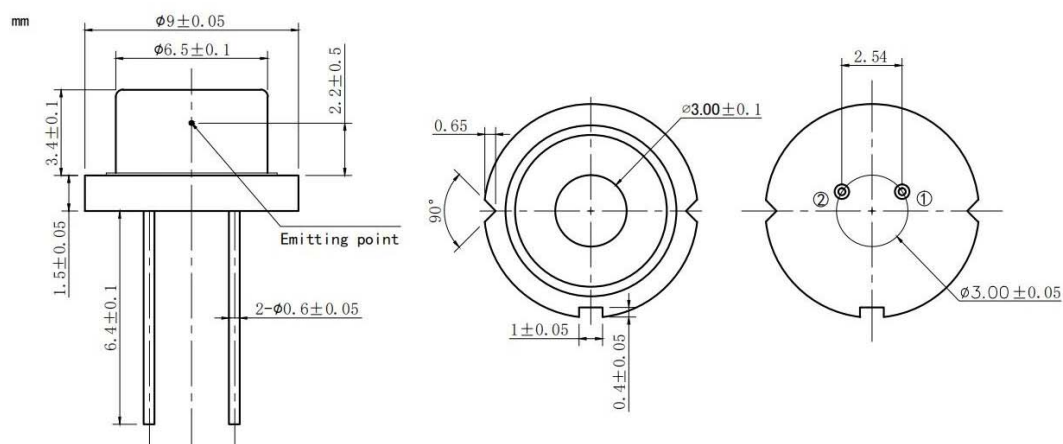
Wavespectrum laser Group

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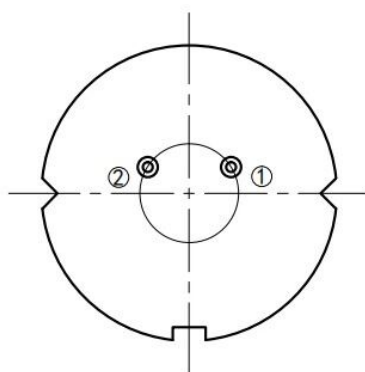
1490nm Laser Diode		1W/TO5	Wavespectrum Laser Group	
Reverse Voltage	V _r	2.0	V	
Operating Temperature	T _{op}	+10 ~ +30	°C	
Storage Temperature	T _{stg}	-20 ~ +80	°C	
Lead soldering temperature (10 sec.)	T _{is}	260	°C	
Features: 1490nm 1W Output Power TO5 Package FAC Optional				
Applications: Medical Laser Treatment Night Vision Others				
Specifications		WSLD-1490-001-2		
		Min	Type	Max
Center Wavelength@25°C		1490nm±50nm		
Spectral Width (FWHM)		----	8nm	----
Output Power		----	1W	----
Recommend Operating Temperature		25°C		
Beam Divergence (FWHM)		----	32° _⊥ x 10° _{//}	----
Temperature Coefficient of Wavelength		----	0.7nm / °C	----
Slope Efficiency		----	0.4W / A	----
Threshold Current (Typ.)		----	0.5A	----
Operating Current (Typ.)		----	3.0A	----
Operating Voltage		----	1.9V	----
Package Style		TO5		
Emitter Size		100um x 1um		



TO5(9mm) Package View



PIN Bottom View:



1	LD(+)
2	LD(-)

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



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