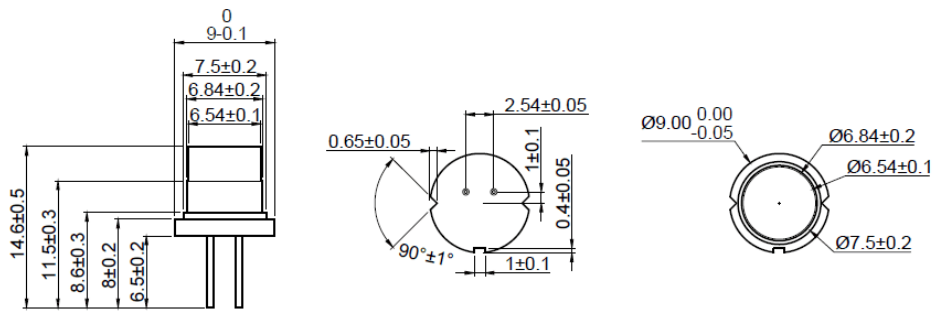**520nm～525nm Collimated Laser Diode| High Power Green LD| 1.5W Output Power| Collimation Beam**

520nm 1.5W LD| Small Compact Package| Green Diode Laser
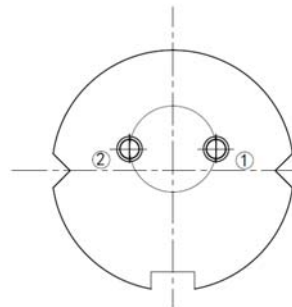
RWSLD-520-1500m-K

520nm Collimated Laser Diode   1.5W/TO5

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	0～+60	℃
Storage Temperature	T_{stg}	-40～+85	℃
Lead soldering temperature (10 sec.)	T_{is}	260	℃

Features:

- 520nm
- Collimated Laser Beam
- Small Compact Package
- Excellent Beam Quality
- Built-in PD Optional
- Built-in TEC Cooling Optional

Specifications		RWSLD-520-1500m-K		
		Min	Type	Max
Center Wavelength@25℃		510nm	520nm	535nm
Output Power (CW Mode)		1.3W	1.5W	----
Spatial Mode		Multi-mode		
Lens Type		Aspheric Lens (with AR Coating)		
Beam Shape		Elliptical		
Beam Divergence (Full Angle)	Parallel （θ∥）	0.2°	0.4°	0.6°
	Perpendicular （θ⊥）	-1.0°	0°	1.0°
Recommend Operating Temperature		25 ℃		
Threshold Current (Typ.)		----	0.2A	0.5A
Operating Current (Typ.)		----	2.1A	2.3A
Operating Voltage			5.0V	6.0V
Package		TO5（9mm）		

Package Drawing:

mm

PIN Bottom View:

1	LD(+)
2	LD(-)

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

Suggest using the constant current power supply.