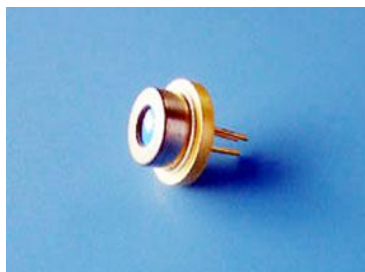


■ Features

Output Power: 500mW (CW)
Efficient Quantum Well Structure
Standard TO-5 Package



■ Absolute Maximum Ratings

(Tc=25°C)

Item	Symbol	Absolute Maximum Ratings	Unit
Optical Output Power	Po	500	mW
LD Reverse Voltage	Vr (LD)	2	V
Storage Temperature	Tstg	-10~85	°C
Operating Case Temperature	Tc	-10~30	°C

■ Initial Electrical/Optical Characteristics

(Tc=25°C)

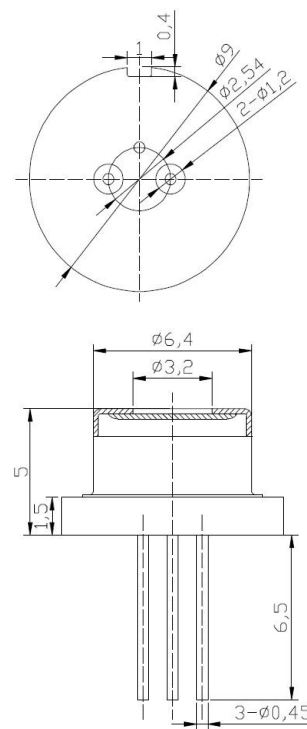
Item	Symbol	Typ.	Unit
Optical Output	Po	500	mW
Peak Wavelength*	λ_p	808±3	nm
Threshold Current	Ith	≤0.12	A
Operating Current	Iop	≤0.65	A
Slope Efficiency	η	≥1	W/A
Operating Voltage	Vop	≤2.0	V
Horizontal Beam Divergence	$\theta_{//}$	≤12	deg.
Vertical Beam Divergence	$\theta_{\perp}$	≤40	deg.
Wavelength Temperature Coefficient		0.3	nm/°C
Polarization		TE	

* Measuring specifications.

All figures in this specification are measured by CNI's method and may contain measurement deviations.

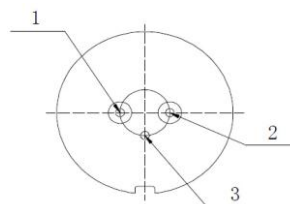
Outline Dimension

TO-5 Package



(Unit: mm)

Pin Connection



- 1 PD Anode
- 2 LD Cathode
- 3 LD Anode/PD Cathode

The above specifications are for reference purpose only and subjected to change without prior notice.



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