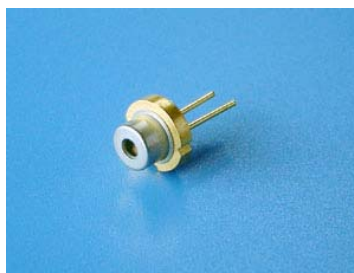


Features

- Output Power: 140mW (CW)
- Efficient Quantum Well Structure
- Standard TO-18 Package



Absolute Maximum Ratings

(Tc=25°C)

Item	Symbol	Absolute Maximum Ratings	Unit
Optical Output Power	Po	140	mW
LD Reverse Voltage	Vr (LD)	5	V
PD Reverse Voltage	Vr (PD)	-	V
Storage Temperature	Tstg	-40~85	°C
Operating Case Temperature	Tc	-10~70	°C

Initial Electrical/Optical Characteristics

(Tc=25°C)

Item	Condition	Symbol	Typ.	Unit
Optical Output	CW	Po	140	mW
Peak Wavelength*	Po=140mW	λ_p	405	nm
Threshold Current	CW	Ith	≤ 0.035	A
Operating Current	Po=140mW	Iop	≤ 0.12	A
Slope Efficiency	CW	η	≥ 1.3	W/A
Operating Voltage	Po=140mW	Vop	≤ 4.6	V
FWHM Beam Divergence	Po=140mW	$\theta_{//}$	≤ 9	deg.
		$\theta_{\perp}$	≤ 20	deg.
Wavelength	Po=140mW		0.3	nm/°C
Temperature Coefficient				
Polarization	Po=140mW		TE	

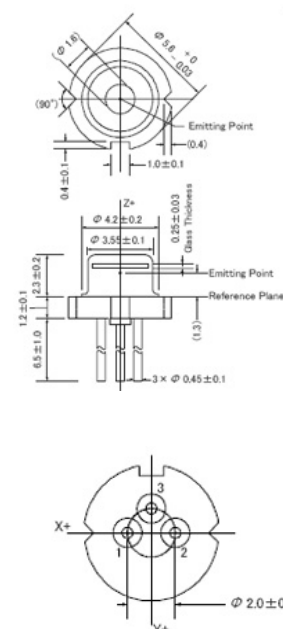
* Measuring specifications.

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

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

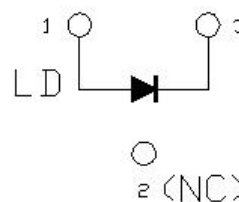
Outline Dimension

TO-18 Package



(Unit: mm)

Pin Connection



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