

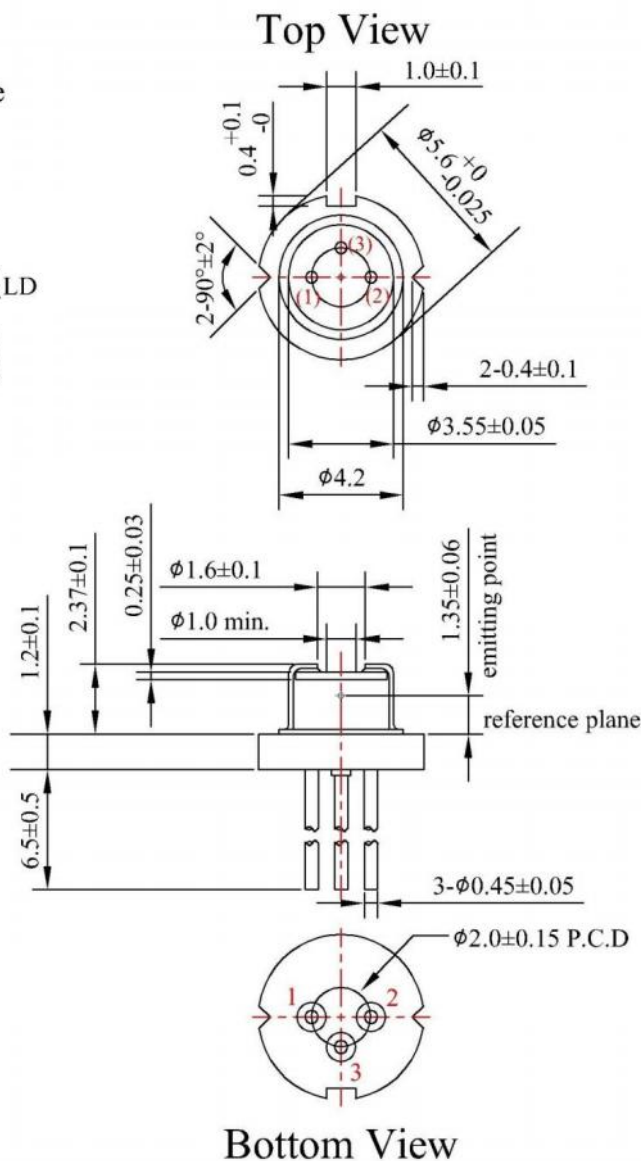
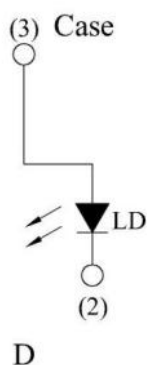
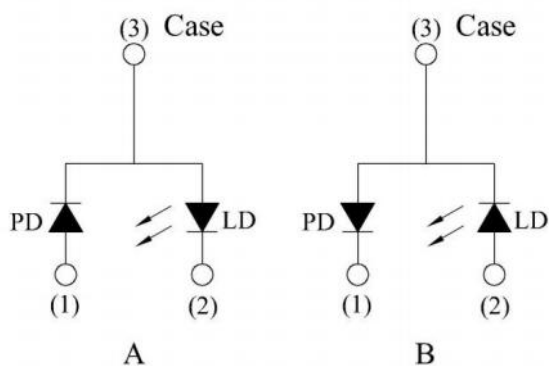
■ Features

1. High power operation
2. Standard optical power output : 150mW (CW)
3. TO-56 (ϕ 5.6mm) packaged, with Pb-free window cap.

■ Applications

1. Laser module
2. Industrial use
3. Medical application

■ External dimensions(Unit : mm)



■ **Absolute Maximum Ratings(Tc=25℃)**

Parameter	Symbol	Rating	Unit
Optical Output	Po	150	mW
Reverse Voltage	Vr	2	V
Operating Temperature（Case）	Top	-10～+50	℃
Storage Temperature	Tstg	-40～+85	℃

■ **Electrical and Optical Characteristics(Tc=25℃)**

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Threshold Current		Ith	Po=150mW	-	100	115	mA
Operating Current		Iop	Po=150mW	-	250	300	mA
Operating Voltage		Vop	Po=150mW	-	2.3	2.5	Volts
Slope Efficiency		η	Po=75-225mW	0.7	1.0	-	mW/mA
Monitor Current		Im	Po=150mW	0.1	0.4	1.0	mA
Beam Divergence (FWHM)	Parallel	$\theta_{//}$	Po=150mW	5	11	17	deg.
	Perpendicular	$\theta_{\perp}$	Po=150mW	24	28	32	deg.
Lasing Wavelength		λ	Po=150mW	655	660	665	nm

◎ $\theta_{//}$ and $\theta_{\perp}$ are defined as the angle within which the intensity is 50% of the peak value.

■ **Quality Notice**

This device is still under product development.

■ **Typical characteristic curves**