

Features

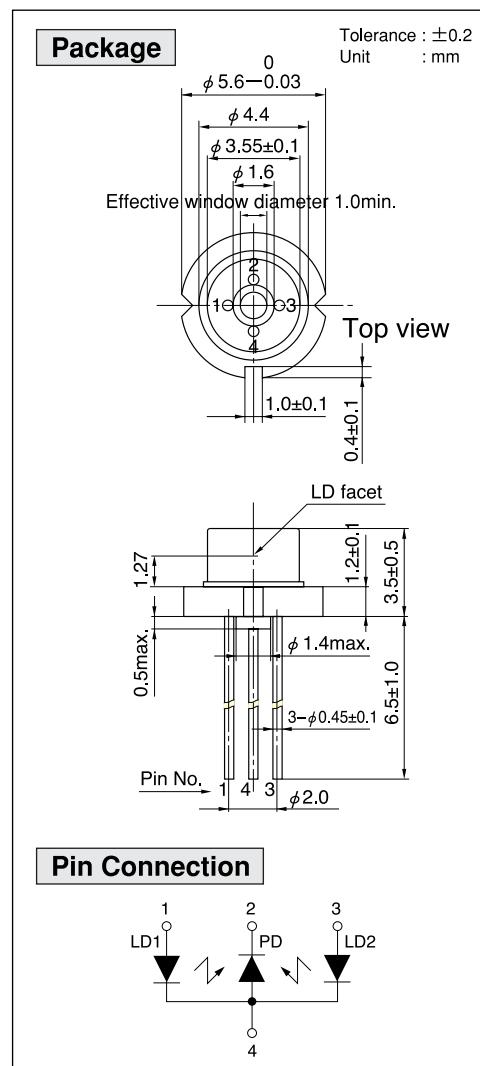
- Wavelength : 785 nm (Typ.)
- Low threshold current : $I_{th} = 30 \text{ mA}$ (Typ.)
- Beam Number : 2
- Beam Distance : $100 \mu\text{m}$
- Small package : $\phi 5.6\text{mm}$

Applications

- Laser beam printer (LBP)

Absolute Maximum Ratings

(Tc = 25°C)				
Parameter	Symbol	Ratings	Unit	
Light Output	CW	Po	15 x 2	mW
Reverse Voltage	LD	VR	2	V
	PD		30	
Operating Temperature	Topr	-10 to +60	°C	
Storage Temperature	Tstg	-40 to +85	°C	



Electrical and Optical Characteristics ^{1) 2)}

(Tc = 25°C)							
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit	
Threshold Current	Ith	Po=15mW	—	30	40	mA	
Operating Current	Iop	Po=15mW	—	55	65	mA	
Operating Voltage	Vop	Po=15mW	—	1.8	2.5	V	
Lasing Wavelength	λ_p	Po=15mW	775	785	795	nm	
Beam Divergence ³⁾	Perpendicular	θ_{\perp}	Po=15mW	22	25	30	°
	Parallel	$\theta_{//}$	Po=15mW	6	8	10	°
Off Axis Angle	Perpendicular	$\Delta\theta_{\perp}$	—	—	—	± 3	°
	Parallel	$\Delta\theta_{//}$	—	—	—	± 3	°
Differential Efficiency	dPo/dIop	—	0.4	0.6	0.8	mW/mA	
Monitoring Output Current	Im	Po=15mW	0.2	0.4	—	mA	

1)Initial values 2)All the above values are evaluated with Tottori Sanyo's measuring apparatus 3) Full angle at half maximum
Note : The above product specifications are subject to change without notice.