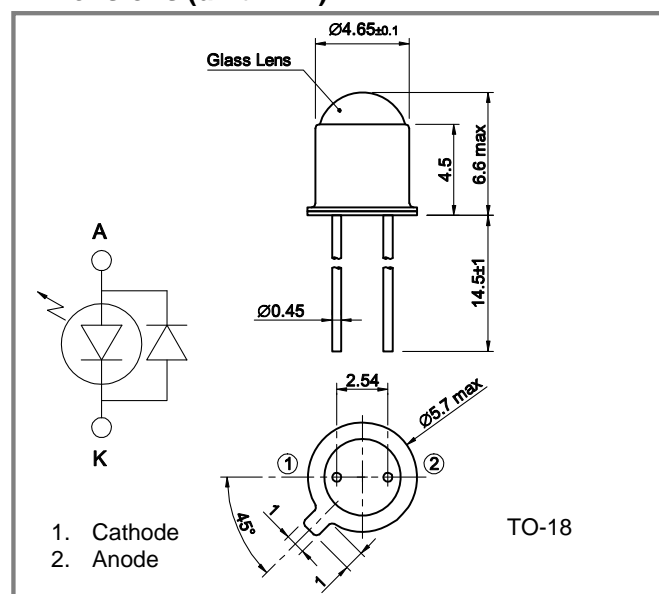


Features

- Peak emission wavelength, $\lambda_p = 367\text{nm}$
- Highly reliable hermetic seal
- Longer life

Applications

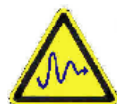
- Optical instruments
- Photocatalytic reactions
- Fluorescent substance detection
- Medical applications

Dimensions (unit: mm)**Absolute Maximum Ratings**

Parameter	Symbol	Value	Unit	Note
Forward current	I_F	30	mA	$T_a=25^\circ\text{C}$
Peak forward current	I_{FP}	0.2	A	Pulse width=100 μs , Duty ratio=1%
Reverse current	I_R	100	mA	
Power dissipation	P_D	120	mW	
Operating temperature	T_{opr}	-20 to +80	$^\circ\text{C}$	Avoid dew condensation
Storage temperature	T_{stg}	-30 to +100	$^\circ\text{C}$	Avoid dew condensation
Soldering temperature	T_{sol}	260	$^\circ\text{C}$	5s max

Electrical and Optical Characteristics ($T_a=25^\circ\text{C}$ unless otherwise noted)

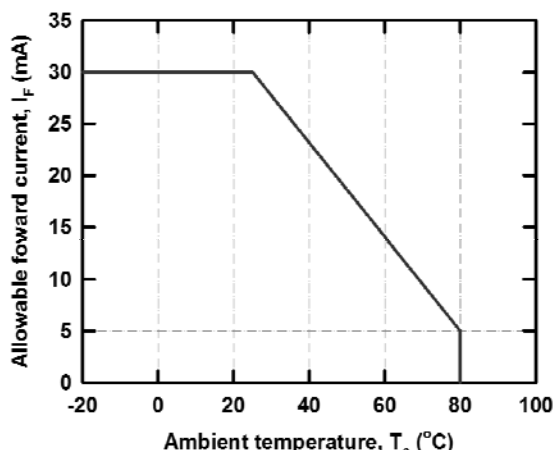
Parameter	Symbol	Min.	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	-	3.7	4.5	V	$I_F=20\text{mA}$
Reverse current	V_R	-	-	3	V	$I_F=20\text{mA}$
Optical output power	P_o	-	0.7	-	mW	$I_F=20\text{mA}$
Peak emission wavelength	λ_p	363	367	370	nm	$I_F=20\text{mA}$
Spectral bandwidth at 50%	$\Delta\lambda$	-	15	-	nm	$I_F=20\text{mA}$
Half angle	2θ	-	8	-	deg.	$I_F=20\text{mA}$



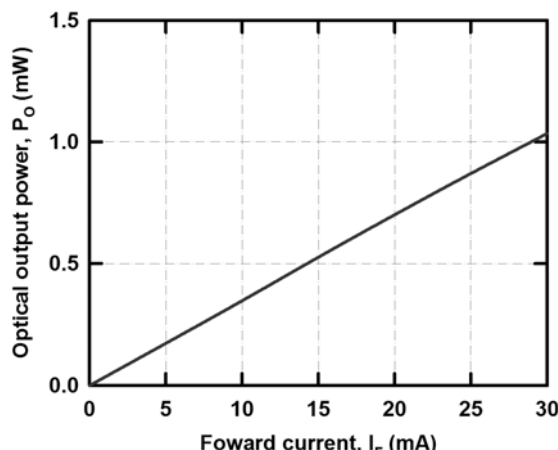
Avoid direct eye exposure to UV light.
Keep out of reach of children.

Specifications are subject to change without notice.

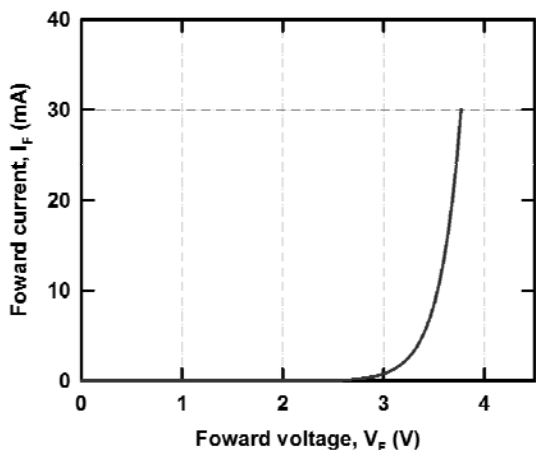
Allowable Forward Current – Ambient temperature



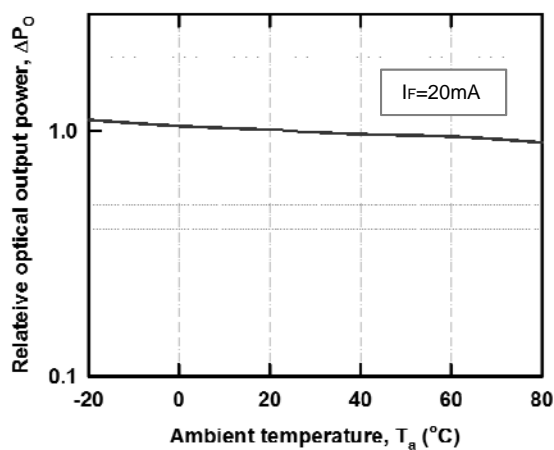
Optical Output Power – Forward Current ($T_a=25^\circ\text{C}$)



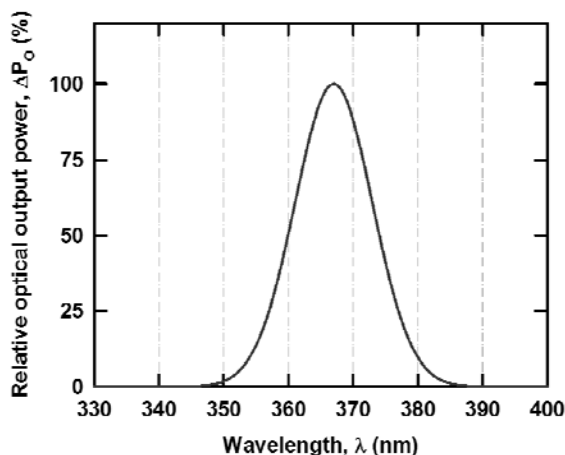
Forward Current – Forward Voltage ($T_a=25^\circ\text{C}$)



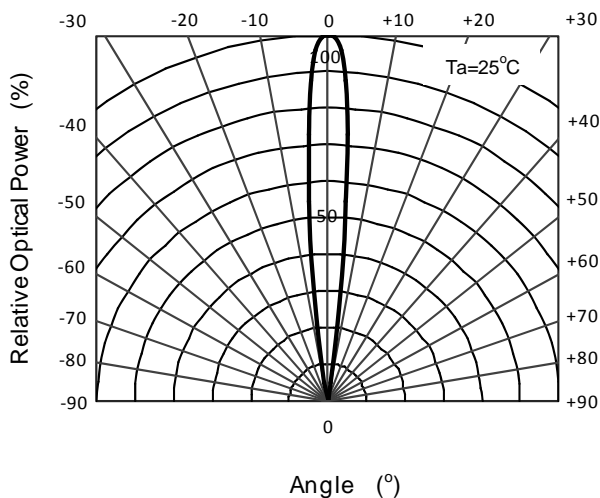
Relative Optical Output Power – Ambient Temperature



Spectral Distribution ($T_a=25^\circ\text{C}$, $I_F=20\text{mA}$)



Directivity



Specifications are subject to change without notice.

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