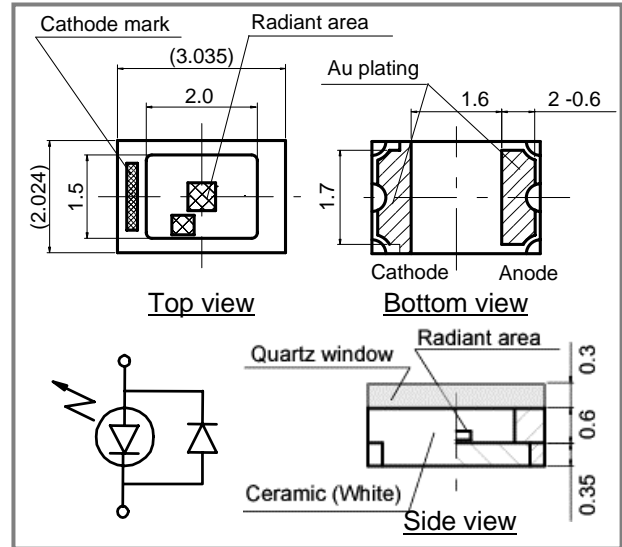


**Features**

- Peak emission wavelength,  $\lambda_p = 367\text{nm}$
- SMD type package
- Standard type uses quartz window package

**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 $\mu\text{s}$ , 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 +85	$^\circ\text{C}$	Avoid dew condensation
Soldering temperature	$T_{sol}$	260	$^\circ\text{C}$	5s max

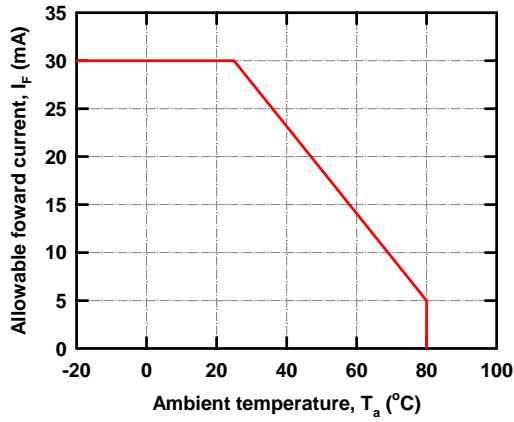
**Electrical and Optical Characteristics ( $T_a=25^\circ\text{C}$  unless otherwise noted)**

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	$P_o$	-	2.1	-	mW	$I_F=20\text{mA}$
Peak emission wavelength	$\lambda_p$	363	367	370	nm	$I_F=20\text{mA}$
Spectral bandwidth at 50%	$\Delta\lambda$	-	15	-	nm	$I_F=20\text{mA}$
Half angle	$2\theta$	-	100	-	deg.	$I_F=20\text{mA}$

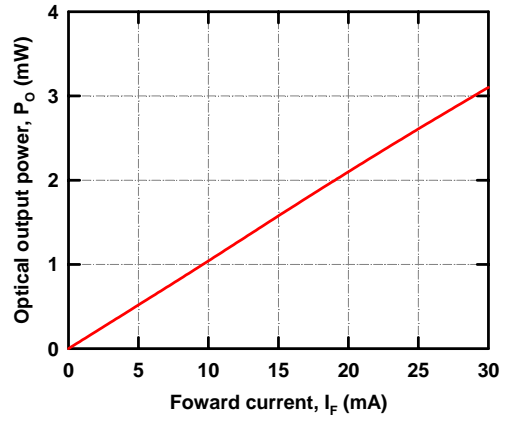


Avoid direct eye exposure to UV light.  
Keep out of reach of children.

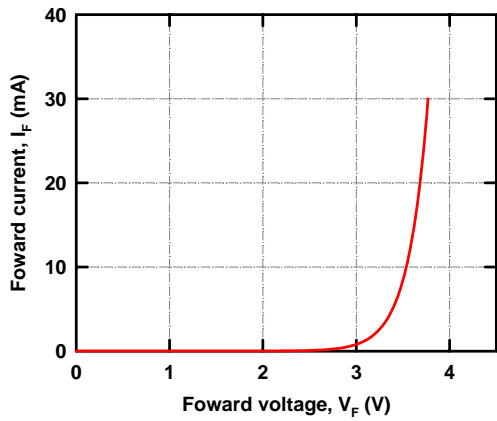
Allowable Forward Current – Ambient temperature



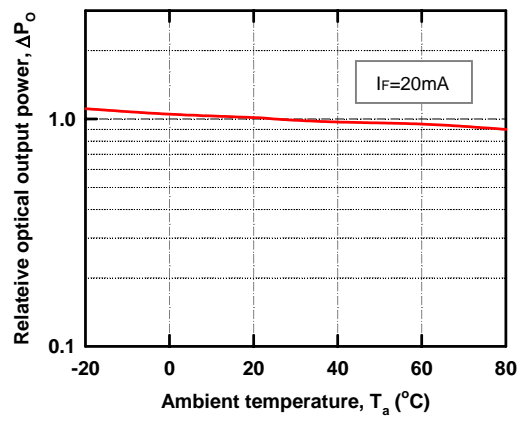
Optical Output Power – Forward Current (Ta=25°C)



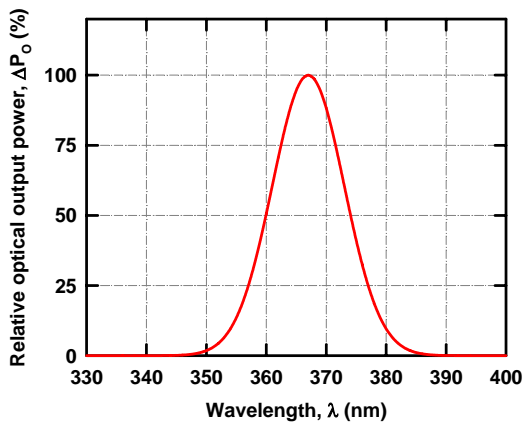
Forward Current – Forward Voltage (Ta=25°C)



Relative Optical Output Power – Ambient Temperature



Spectral Distribution (Ta=25°C, I\_F=20mA)



Directivity (Ta=25°C)

