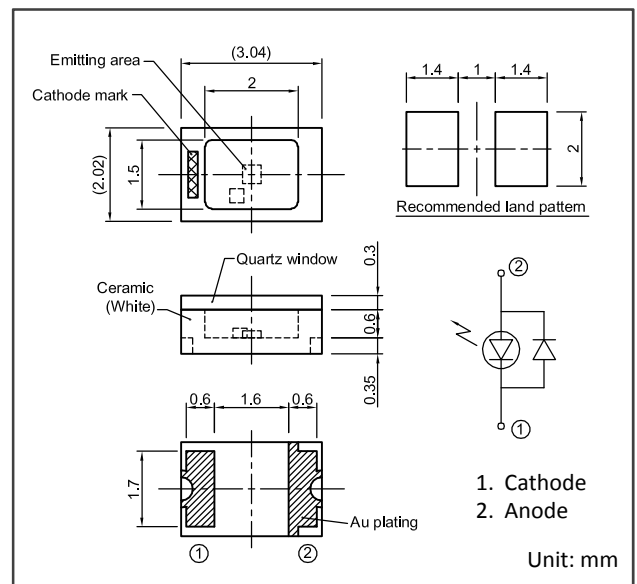


### Features

- Peak emission wavelength  $\lambda_p=373\text{nm}$
- SMD type package
- Standard type uses quartz widow package

### Applications

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



### 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=0.1%
Reverse current	$I_R$	100	mA	
Power dissipation	$P_D$	120	mW	$T_a=25^\circ\text{C}$
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	$^\circ\text{C}$	Max 5 sec.

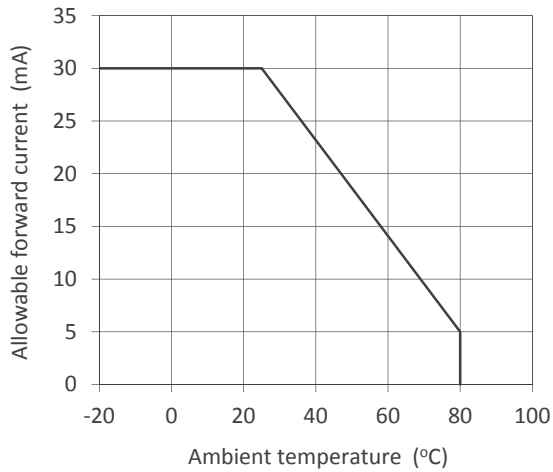
### Electrical and Optical Characteristics ( $T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward voltage	$V_F$	-	3.6	4.5	V	$I_F=20\text{mA}$
Reverse voltage	$V_R$	-	-	3	V	$I_R=20\text{mA}$
Optical output power	$P_O$	-	1.3	-	mW	$I_F=20\text{mA}$
Peak emission wavelength	$\lambda_p$	370	373	380	nm	$I_F=20\text{mA}$
Spectral bandwidth at 50%	$\Delta\lambda$	-	12	-	nm	$I_F=20\text{mA}$
Half angle	$2\theta$	-	110	-	deg.	

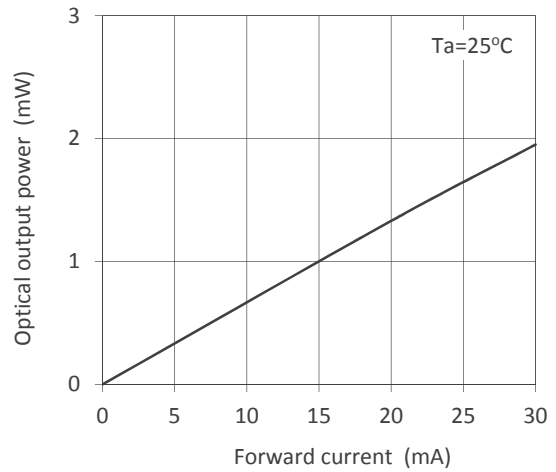


Avoid direct eye exposure to UV light.  
Keep out of reach of children.

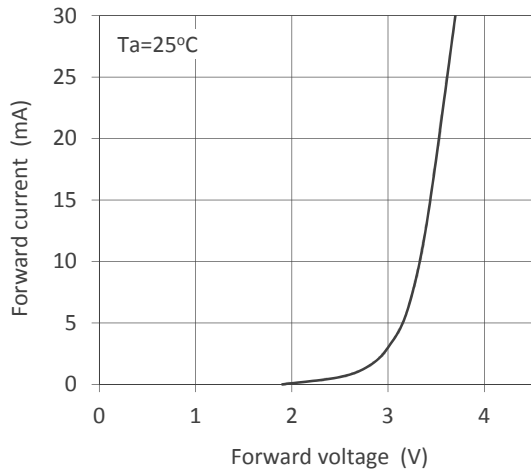
Allowable Forward Current-Ambient Temperature



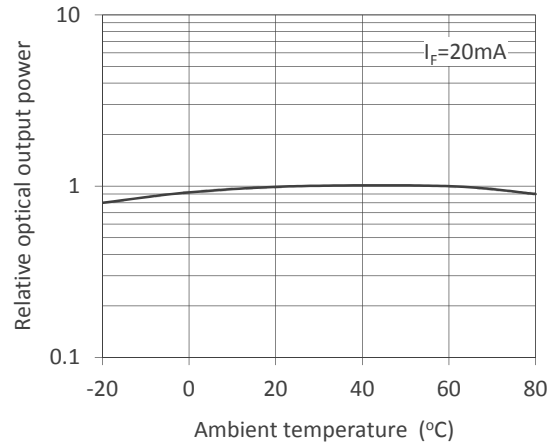
Optical Output Power - Forward Current



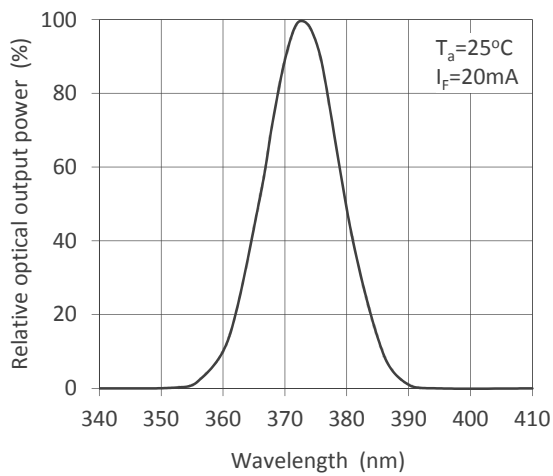
Forward Current - Forward Voltage



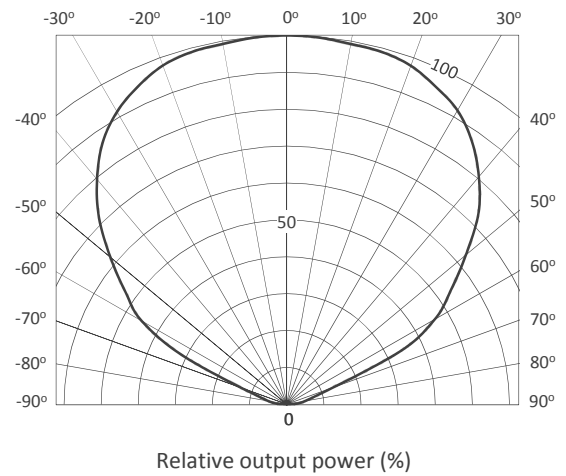
Relative Optical Output Power - Ambient Temperature



Spectral Distribution



Directivity



- Specifications , characteristics, data, materials, structures specified in this datasheet are subject to change without notice. Please refer to the latest specification before use of the products.
- Products listed in this datasheet comply with the RoHS Directive (EU2002/95/EC).

## Opto-technologies for the Future



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