

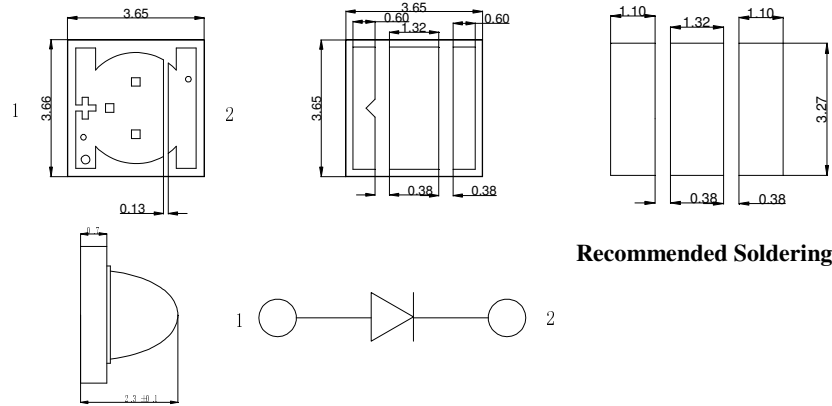
**■Features**

- High Luminous Flux
- Super Energy Efficiency
- UV Resistant Silicon
- Water Clear Type

**■Applications**

- Money Detector
- UV-Curing
- Sensor light
- Photo-catalyst
- Other Lighting

**■Outline Dimension**



**Recommended Soldering Patter**

Unit: mm  
Tolerance:  $\pm 0.20$  mm  
unless otherwise noted

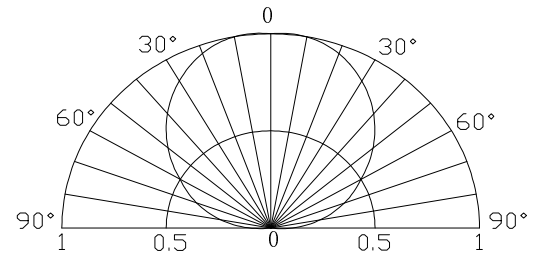
**■Absolute Maximum Rating**

( $T_a=25^\circ\text{C}$ )

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	700	mA
Pulse Forward Current#	$I_{FP}$	1000	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	2800	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +80	$^\circ\text{C}$
Lead Soldering Temperature	$T_{sol}$	260 $^\circ\text{C}$ /5sec	-

#Pulse width Max.10ms Duty ratio max 1/10

**■Directivity**



**■Electrical -Optical Characteristics**

( $T_a=25^\circ\text{C}$ )

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	$V_F$	$I_F=700\text{mA}$	3.2	3.6	4.0	V
DC Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	10	$\mu\text{A}$
Peak Wavelength*1	$\lambda_P$	$I_F=700\text{mA}$	390	395	400	nm
Radiant Power*2	$P_o$	$I_F=700\text{mA}$	600	-	800	mW
50% Power Angle	$2\theta_{1/2}$	$I_F=700\text{mA}$	-	120	-	deg

\*1 Tolerance of measurements of forward voltage is  $\pm 0.1\text{V}$

\*2 Tolerance of measurements of Peak Wavelength is  $\pm 1\text{nm}$

\*3 Tolerance of measurements of Radiant Power is  $\pm 15\%$

Note: Don't drive at rated current more than 5s without heat sink for Tops 3 emitter series.