

### ■Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life
- Superior UV Resistance

### ■Applications

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

### ■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	500	mA
Pulse Forward Current*	$I_{FP}$	700	mA
Reverse Voltage	$V_R$	15	V
Power Dissipation	$P_D$	6,000	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	°C
Storage Temperature	$T_{stg}$	-40 ~ +100	°C
Lead Soldering Temperature	$T_{sol}$	260°C /5sec	-

\*Pulse width Max.10ms Duty ratio max 1/10

### ■Electrical -Optical Characteristics

(Ta=25°C)

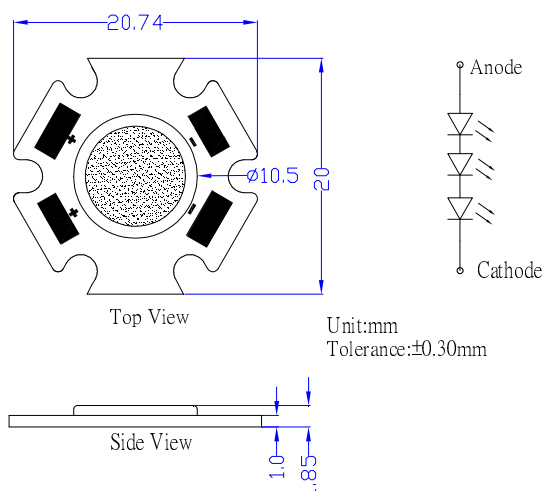
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=400mA$	10.2	11.1	12	V
DC Reverse Current	$I_R$	$V_R=25V$	-	-	10	$\mu A$
Radiant flux*	$\Phi_e$	$I_F=400mA$	700	800	-	mW
Peak Wavelength*	$\lambda_p$	$I_F=400mA$	400	405	410	nm
50% Power Angle	$2\theta_{1/2}$	$I_F=400mA$	-	120	-	deg

Note: \*1. Tolerance of Radiant Flux is  $\pm 15\%$

\*2. Tolerance of Peak Wavelength is  $\pm 1nm$

\*3 Don't drive at rated current more than 5s without heat sink for High Power emitter series.

### ■Outline Dimension



### ■Directivity

