

■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)

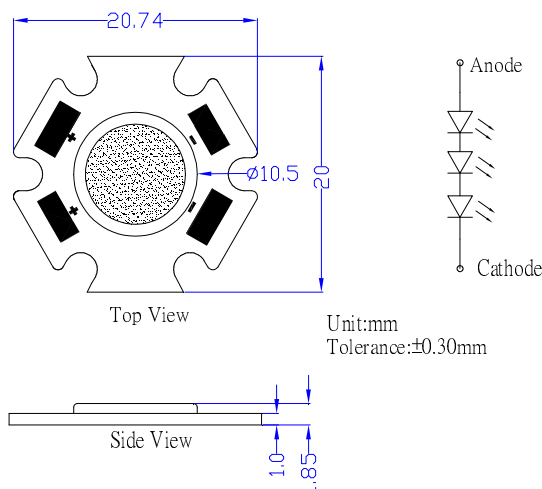
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=400mA$	10.2	11.1	12	V
DC Reverse Current	I_R	$V_R=25V$	-	-	10	μA
Radiant flux*	Φ_e	$I_F=400mA$	700	800	-	mW
Peak Wavelength*	λ_p	$I_F=400mA$	400	405	410	nm
50% Power Angle	$2\theta_{1/2}$	$I_F=400mA$	-	120	-	deg

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

