

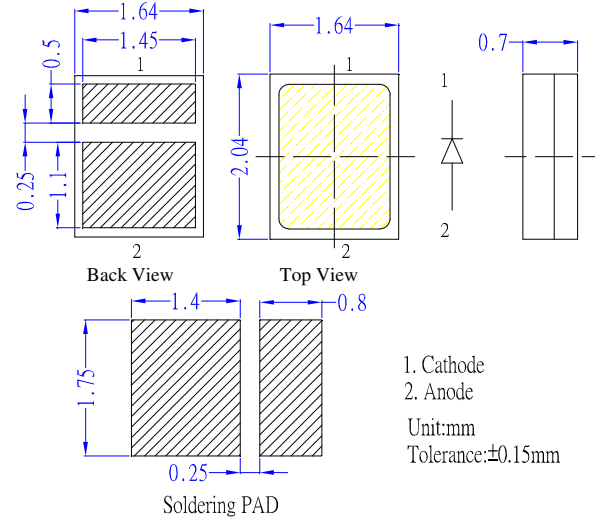
**■Features**

- Highest luminous flux
- Super energy efficiency
- Long lifetime operation
- Superior UV Resistance

**■Applications**

- Mobile phone flash
- Portable (flashlight, bicycle)
- In door / Out door Commercial lights
- Automotive Ext

**■Outline Dimension**



**■Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	500	mA
Pulse Forward Current*	I <sub>FP</sub>	700	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	1800	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec	-

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

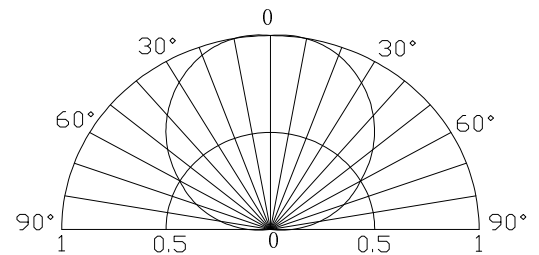
**■Electrical -Optical Characteristics**

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =500mA	2.8	3.3	3.6	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Luminous Flux	Φ <sub>v</sub>	I <sub>F</sub> =500mA	90	100	110	lm
Color Temperature	CCT	I <sub>F</sub> =500mA	5000	6500	8000	K
Chromaticity Coordinates*	x	I <sub>F</sub> =500mA	-	0.31	-	
	y	I <sub>F</sub> =500mA	-	0.33	-	
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =500mA	-	120	-	deg

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

**■Directivity**



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