

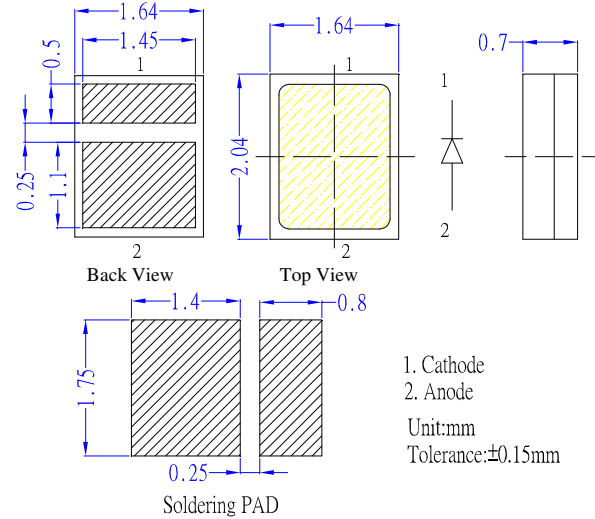
■Features

- 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 _F	500	mA
Pulse Forward Current*	I _{FP}	700	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	1800	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 =500mA	2.8	3.3	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Luminous Flux	Φ _v	I _F =500mA	90	100	110	lm
Color Temperature	CCT	I _F =500mA	5000	6500	8000	K
Chromaticity Coordinates*	x	I _F =500mA	-	0.31	-	
	y	I _F =500mA	-	0.33	-	
50% Power Angle	2θ _{1/2}	I _F =500mA	-	120	-	deg

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

■Directivity

