

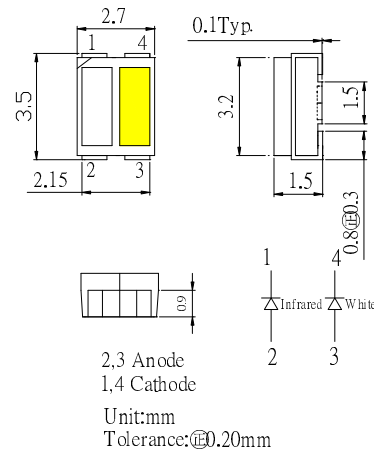
### ■Features

- High Luminous PLCC4 Top SMD LEDs
- 3.5x2.7x1.5mm Standard Directivity
- UV Resistant Silicone
- Water Clear / Yellow Diffused Type

### ■Applications

- Toys
- Audio
- Games
- Other Lighting

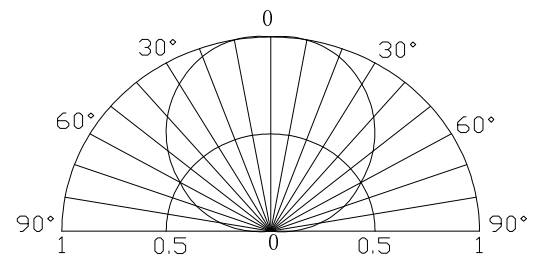
### ■Outline Dimension



### ■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Infrared	White	
DC Forward Current	I <sub>F</sub>	100	30	mA
Pulse Forward Current*	I <sub>FP</sub>	1000	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	180	104	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		-

### ■Directivity



\*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> (Infrared)	I <sub>F</sub> =100mA	-	1.6	1.8	V
	V <sub>F</sub> (White)	I <sub>F</sub> =20mA	2.7	3.1	3.4	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Peak Wavelength*	λ <sub>p</sub> (Infrared)	I <sub>F</sub> =100mA	-	940	-	nm
Color Temperature	CCT(White)	I <sub>F</sub> =20mA	-	10000	-	K
Radiant Intensity*	I <sub>e</sub> (Infrared)	I <sub>F</sub> =100mA	10	20	-	mW/Sr
Luminous Intensity*	I <sub>v</sub> (White)	I <sub>F</sub> =20mA	1120	1560	-	mcad
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	120	-	deg

\*1 Tolerance of measurements of Peak wavelength is ±1nm

\*2 Tolerance of luminous intensity is ±15% \*3 Tolerance of measurements of forward voltage is ±0.1V