

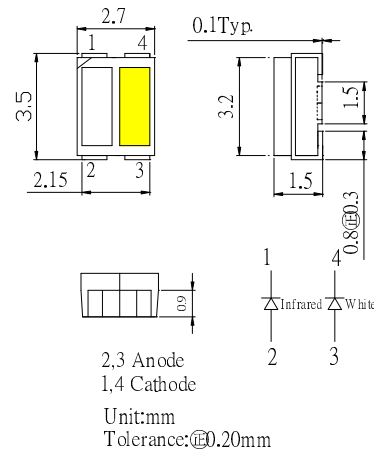
■Features

- 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

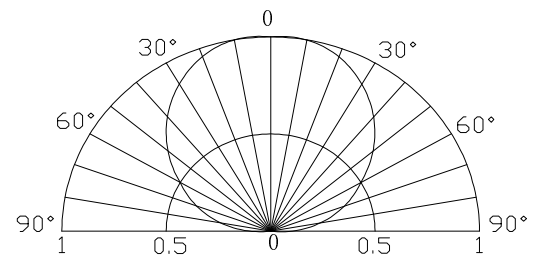
■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Infrared	White	
DC Forward Current	I _F	100	30	mA
Pulse Forward Current*	I _{FP}	1000	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	180	104	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40~ +100		°C
Lead Soldering Temperature	Tsol	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 _F (Infrared)	I _F =100mA	-	1.6	1.8	V
	V _F (White)	I _F =20mA	2.7	3.1	3.4	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength*	λ _p (Infrared)	I _F =100mA	-	940	-	nm
Color Temperature	CCT(White)	I _F =20mA	-	10000	-	K
Radiant Intensity*	I _e (Infrared)	I _F =100mA	10	20	-	mW/Sr
Luminous Intensity*	I _v (White)	I _F =20mA	1120	1560	-	mcad
50% Power Angle	2θ _{1/2}	I _F =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

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