

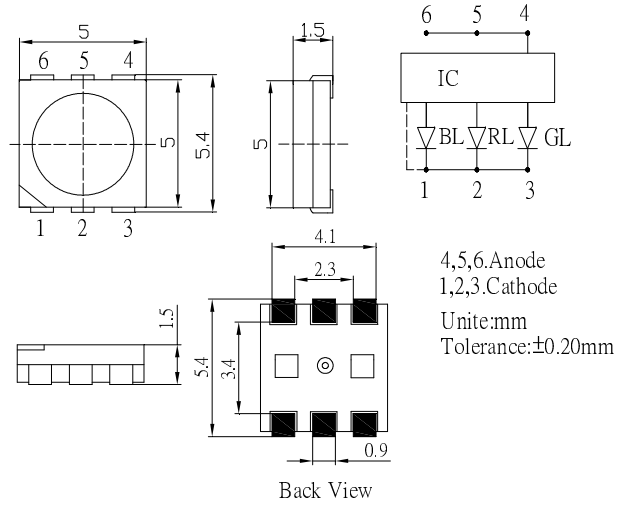
■ Features

- High Luminous PLCC6 Top SMD LEDs
- 5.0x5.0x1.5mm Standard Directivity
- Flashing Type
- Water Clear Type

■ Applications

- Toys
- Games
- Audio
- Other Lighting

■ Outline Dimension

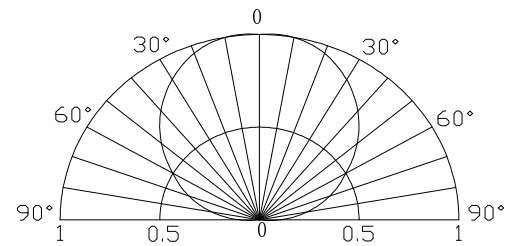


■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
Power Supply	Voltage	5	V
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40~ +100	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Conditio	Min.	Typ.	Max.	Unit
DC Forward Voltage	Vdd	If=20mA	3.8	4.5	5.0	V
Oscillator Frequency*	Fled	If=20mA	-	12	-	S
Duty Cycle	Duty	If=20mA	-	-	-	-
Domi. Wavelength*	λD (Red)	If=20mA	620	625	630	nm
	λD (Blue)	If=20mA	465	470	475	nm
	λD (Green)	If=20mA	520	525	530	nm
Luminous Intensity*	Iv(Red)	If=20mA	750	1120	-	mcd
	Iv(Blue)	If=20mA	330	500	-	mcd
	Iv(Green)	If=20mA	1120	1560	-	mcd
50% Power Angle	2θ1/2	If=20mA	-	120	-	deg

*1 Tolerance of dominant wavelength is ±1nm

*2 Tolerance of luminous intensity is ±15%

*3 Tolerance of Frequency is ±20%

Precautions in Use for Surface Mount Diode

■ Storage

· Storage Conditions

Before opening the package:

The LEDs should be kept at 30°C or less and 60%RH or less. The LEDs should be used within a year. When storing the LEDs, moisture proof packaging with absorbent material (silica gel) is recommended.

· After opening the package:

Soldering should be done right after opening the package (within 24hrs).

Keeping of a fraction, sealing and Temperature: 5~30°C Humidity: Less than 30%.

If the package has been opened more than 24 Hours, components should be dried for 12hrs, at 60±5°C.

· Optosupply LED electrode sections are comprised of a silver plated copper alloy. The silver surface may be affected by environments which contain corrosive gases and so on. Please avoid conditions which may cause the LED to corrode, tarnish or discolor. This corrosion or discoloration may cause difficulty during soldering operations.

It is recommended that the User use the LEDs as soon as possible.

· Please avoid rapid transitions in ambient temperature, especially in high humidity environments where condensation can occur.