

■Features

- High Radiant Flux PLCC6 Top SMD LED
- 5.0x5.0x1.5mm Standard Directivity
- UV Resistant Silicone
- Water Clear Type

■Applications

- Interior and exterior automotive lighting (e.g. dashboard backlighting etc.)
- Backlighting (Illuminated advertising, general lighting, etc)
- Decorative Lighting
- Other Lighting

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	90	mA
Pulse Forward Current#	I _{FP}	300	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	324	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40~ +100	°C
Lead Soldering Temperature	Tsol	260°C/10sec	-

#Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics

(Ta=25°C)

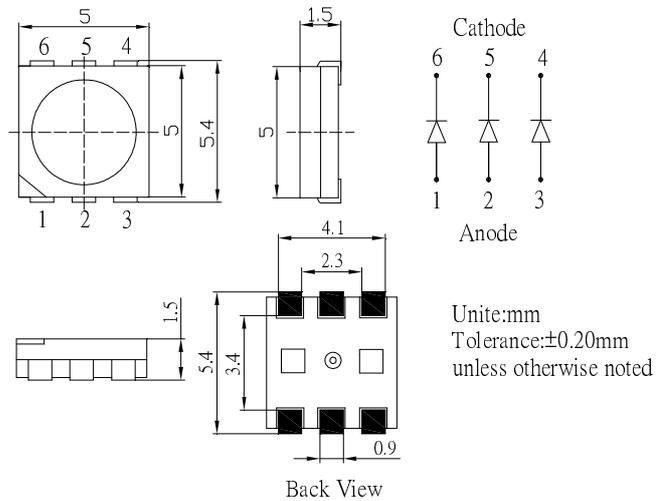
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =60mA	-	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength*2	λ _p	I _F =60mA	400	405	410	nm
Radiant flux*3	Φ _e	I _F =60mA	36	42	-	mW
50% Power Angle	2θ _{1/2}	I _F =60mA	-	120	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V

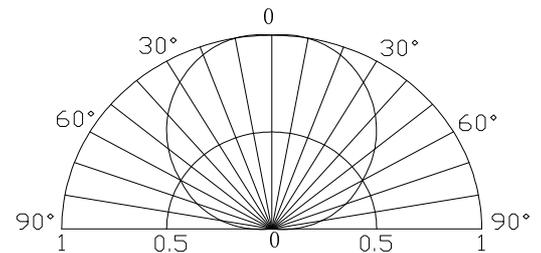
*2 Tolerance of measurements of Peak wavelength is ±1nm

*3 Tolerance of measurements of Radiant Flux is ±15%

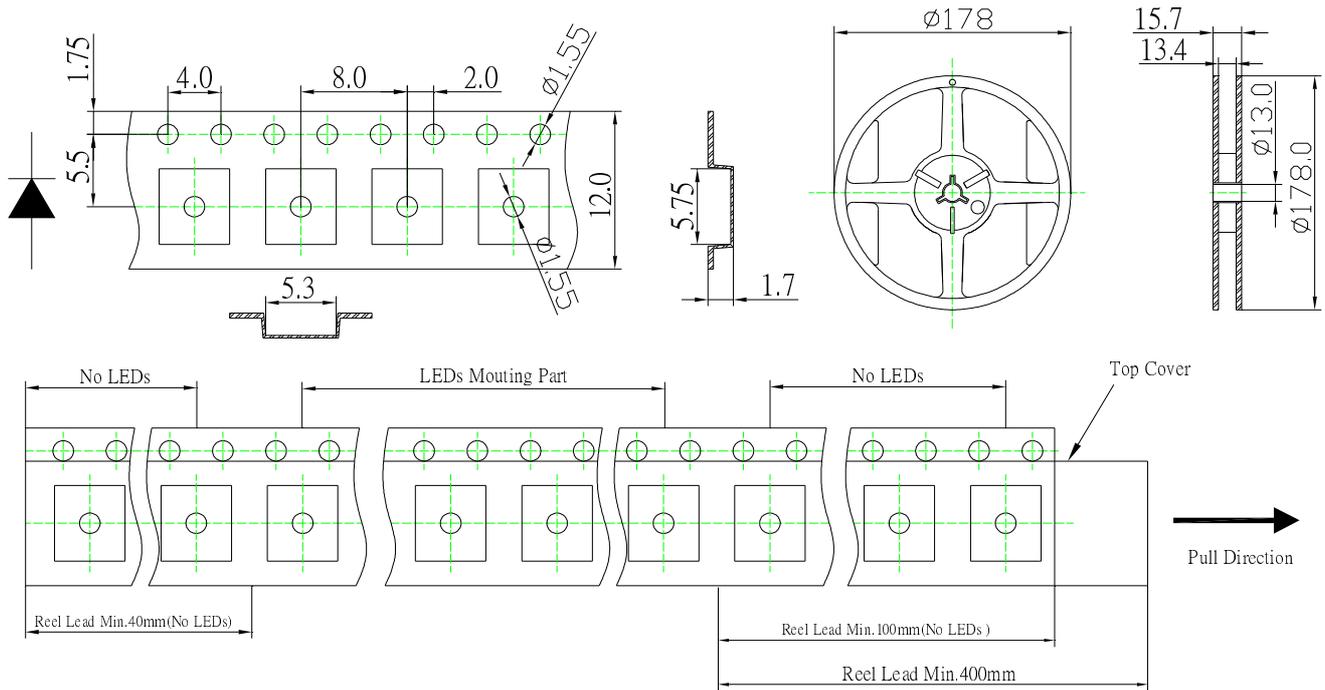
■Outline Dimension



■Directivity



PACKING DIMENTIONS



Notes:

1. Unit: mm
2. 1000pcs/Reel

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.