



# SL-T2835UVAC120-L70 **DATA SHEET**

 SPEC. NO.
 :
 SZ19112002

 DATE
 :
 2019/11/20

 REV.
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 A/0

Approved By: Checked By: Prepared By:

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# LIGHT



### **Features**

♦ Pb free product RoHS compliant

♦ Low power consumption, High efficiency

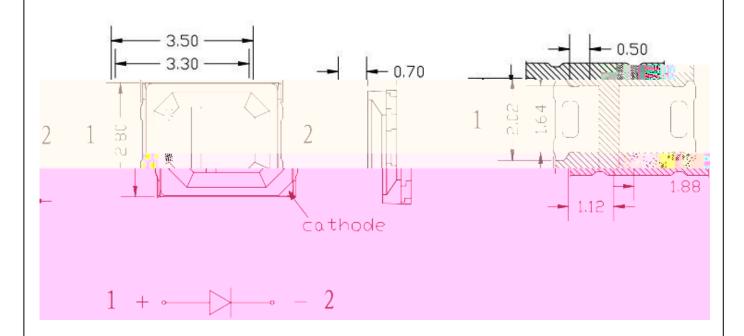
♦ Reliable and rugged

♦ Long life solid state reliability

♦ Radiant angle: 120 °

♦ Peak Wavelength: 395nm

# **Package Dimension**



Part NO.	Chip Material	Lens Color
SL-T2835UVAC120-L70	GaN	Water Clear

#### **Notes:**

- 1. All dimensions are in millimeters.
- 2. Tolerance is ±0.10mm unless otherwise noted
- 3. Specifications are subject to change without notice.

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#### **Absolute Maximum Ratings at Ta=25**

Parameter MAX.		Unit	
Power Dissipation	480	mW	
Continuous Forward Current	120	mA	
Peak Forward Current*2	150	mA	
Reverse Voltage	5	V	
Electrostatic Discharge (HBM)*3	2000	V	
Moisture Sensitivity Level*1	5a		
Operating Temperature	-40 to +85		
Storage Temperature	-40 to + 100		
IR Reflow Temperature	260 for 10 Seconds MAX.		

#### 1. Storage

- (1). Storage requirements before vacuum bag opened: Temperature<30 , Humidity<65%RH;
- (2). Check air leakage and vacuum bag damage before opened. If there is any issue found, check the humidity indicator card immediately after bag opened:
  - a. components can be used without additional handling;
  - b. If color changes on both 10% and 20% circles but not the circles of 30% and above, components must be dehumidified according to the conditions of bullet (5);
  - c. If color changes on 10%, 20%, and 30% circle or above, the product should be returned to the supplier for high temperature dehumidification;
- (3). After bag opened, manual soldering or reflow process must follow the following requirements:
  - a. Complete soldering / reflow within 24 hours;
  - b. Requirements of working environment: Temperature<30 , Humidity<60%RH;
- (4). If the working condition is outside (3)a or (3)b requirement, the components must be dehumidified according to the conditions of bullet (5);
- (5). Low temperature dehumidification: temperature 60±5 , at least 24 hours;
- (6).

dehumidified according to the condition of bullet (5). If customer is unable to dehumidify, return components to LIGHT for dehumidification.

### 2. Peak Forward Current:

Condition for is IFP pulse:

duty 0%.

#### 3. Caution in ESD:

Static Electricity and surge damages the LED. It is recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

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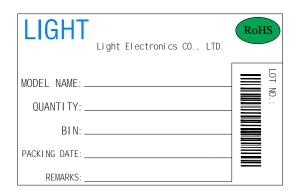






## **Label Explanation**

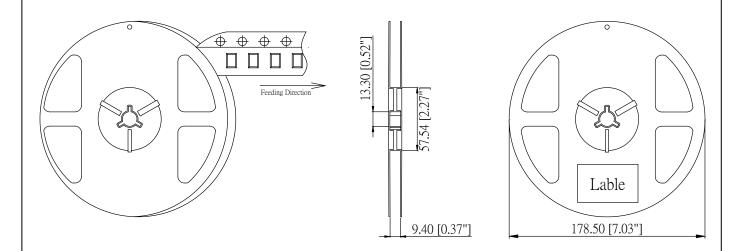
### LIGHT Universal Label



### Customer Defined Label



### **Reel Dimensions**



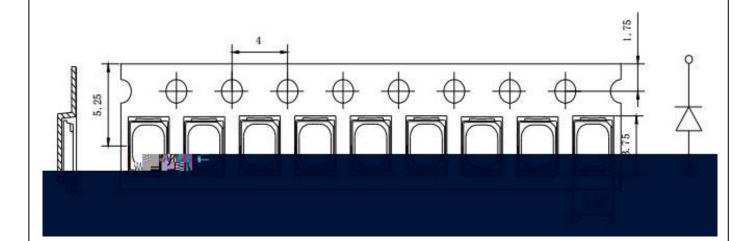
**Note:** Tolerance unless mentioned is  $\pm 0.2$ mm; Unit = mm

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# Carrier Tape Specifications



**Note:** Tolerance unless mentioned is  $\pm 0.1$ mm; Unit = mm

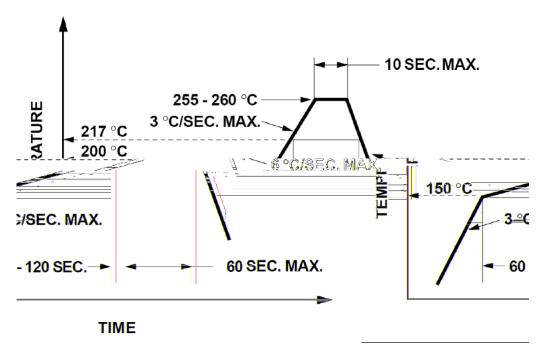
# Moisture Resistant Packaging

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### **Suggest IR Reflow Condition For Lead Free**



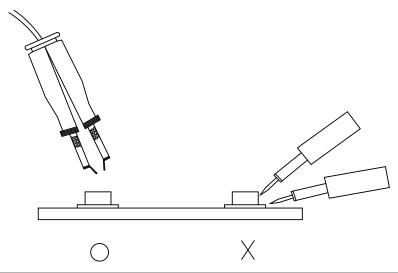
- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

### Soldering iron

- 1. When hand soldering, the temperature of the iron must less than 300 for 3 seconds.
- 2. The hand solder should be done only once.

## Repairing

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.



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