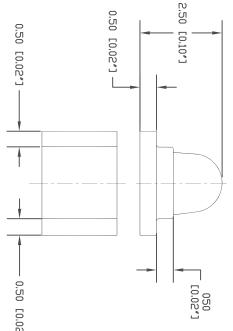
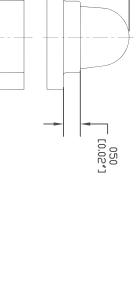


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NOTES

- 1. All dimensions are in millimeters (inches) $\,$ 2. Tolerances are 0.1mm (0.04inch) unless otherwise noted

Attension: Observep Precautions For Handling Electrostatic Sensitive Devices

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

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DISCLAIMER:

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Emitted color	Dice	Printed circit board	Lens color	Bonding Wire	Resin (mold)	ITEM	i O	4,60	00	
Green	InGaN/SIC	BT (white)	Water clear	ø25µmAu	Epoxy	MATERIALS	O P	4.60 [0.18"]	2.0	



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Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Value	Unit
Forward current	If	30	۳A
Reverse voltage	٧r	5	<
Power dissipation	Pd	120	™ √
Operating temperature range	Тор	-20~+80	° C
Storage temperature range	Tstg	-40~+100	•℃
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125	۳A

Electro-optical Characteristics

(T_A=25°C)

μA	10	!	-	lr	Vr=5V	Reverse current
deg		20		201/2	If=10mA	Viewing angle at 50% Iv
mcd		900		Iv	If=20mA	Luminous intensity *1
<	4.0	3,5	1	Vf	If=20mA	Forward voltage
N	1	525	-	λdom	If=20mA	Dominant wavelength
N		20		Δλ	If=20mA	Spectral half bandwidth
N	535	527	520	λpeak	If=20mA	Wavelength at peak emission
Unit	Max	Тур	Min	Эүшрог	Condition	Pai dilletei
		Value		ومساما	Test	



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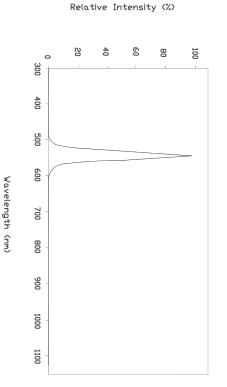
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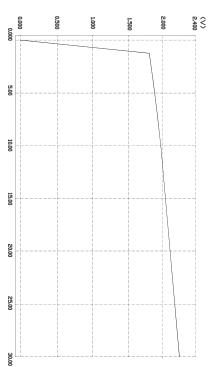
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OPTICAL CHARACTERISTIC CURVES



Forward Current vs. Forward Voltage

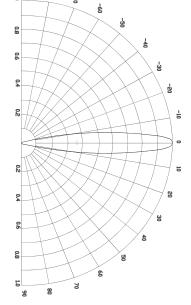
Relative Intensity vs. Wavelength



Forward Voltage (V)

Directive Characteristics

Foward Current (mA)



-70

RoHS Compliant

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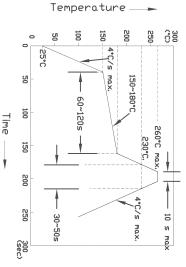
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DCP No: 1398 DATE

Test Circuit

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Reflow Temp/Time



LED

NOTES

We recommend the reflow temperature 245°C (±5°C), the maximum soldering temperature should be limited to 260°C.
 don't cause stress to the epoxy resin while it is exposed to high temperature.
 Number of reflow process shall be 2 times or less.

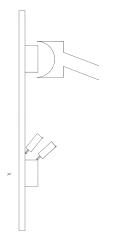
Soldering iron

Basic Spec is ${<}5{\text{sec}}$ when 260°C. If temperature is higher, time should be shorter

(+10°C \rightarrow -1sec). Power dissipation of iron should be smaller than 15W and Termperatures should be controllable. Surface temperature of the device should be under 230°C.

Rework

- Customer must finish rework within 5 sec under 260°C. The head of iron can not touch copper foil. Twin-head type is preferred.
- ចល់ក



Handling Precautions

Over-current-proof

Customer must apply resistors for protection; otherwise slight voltage shift will cause big current change (Burn out will happen).

Storage

- 2.1 It is recommended to store the products in the following conditions: Humidity: 60% R.H. Max. Temperature: 5°C~30°C (41°F~86°F)
- 2.2 Shelf life in sealed bag: 12 month at <5°C~30°C and <30% R.H. after the package is opened, the products should be used within a week or they should be keeping to stored at < 20 R.H. with zip-lock sealed.

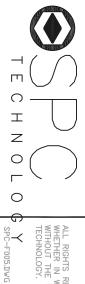
Baking

- It is recommended to baking before soldering when the pack is unsealed after 72hrs. The Conditions are as followings:
- $3.1~60\pm3^{\circ}C$ \times (12~24hrs) and <5%RH, taped reel type
- $3.2\ 100\pm3^{\circ}C \times (45\text{min}\sim1\text{hr})$, bulk type
- 3.3 $130\pm3^{\circ}C \times (15\sim30\text{min})$, bulk type



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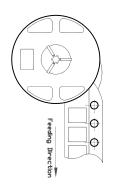


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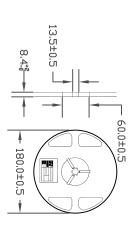
SMD Chip LED Lamps Packaging Specifications

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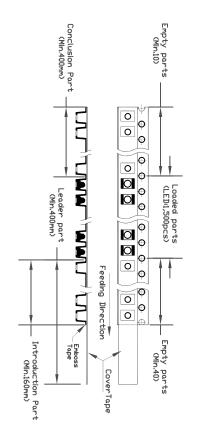
Feeding Direction



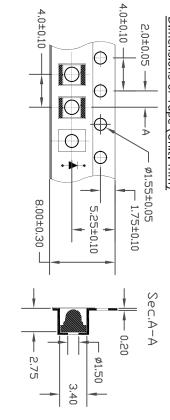
Dimensions of Reel (Unit: mm)



Arrangement of Tape



Dimensions of Tape (Unit: mm)



- NOTES:

 1. Empty component pockets are sealed with top cover tape;
 2. The maximum number of missing lamps is two;
 3. The cathode is oriented towards the tape sprocket hole in accordance with ANSI/EIA RS-481 specifications,
 4. 1,500 pcs/Reel



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