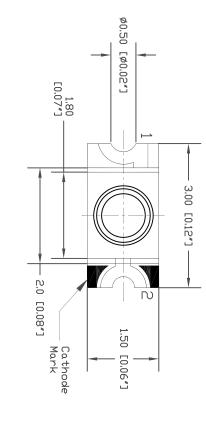


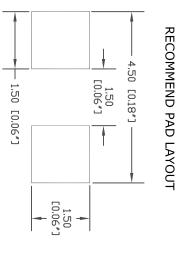
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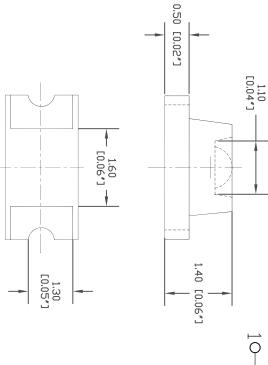
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Package Outlines







Emitted color	Dice	Printed circuit board	Lens color	Bonding Wire	Resin (mold)	ITEM
Green	InGaN/SIC	BT (White)	Water transparent	ø25;mAu	Ероху	MATERIALS

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NOTES:
1. All dimensions are in millimeters (inches);
2. Tolerances are ±0.1mm (0.004inch) unless otherwise noted.

Attention:

Observe Precautions For Handling Electrostatic Sensitive Devices

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RoHS Compliant

USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LABILITY WHATSOEVER IN CONNECTION THEREWITH.
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U.D.M.: INCHES [mm]			MC24155	П	Multi Color	
SHEET: 1 OF			02P5950	LECTRONIC FILE	. LED	
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Absolute Maximum Ratings

(TA=25°C)

Parameter	Symbol	Value	Unit
Forward current	If	30	MΑ
Reverse voltage	٧r	5	<
Power dissipation	Pd	120	m₩
Operating temperature range	Тор	-20~+80	*c
Storage temperature range	Tstg	-20~+80	°C
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125	mΑ

Electro-optical Characteristics

(TA=25°C)

	μĀ	10		-	Ir	Vr=5V	Reverse current
	Deg	1	40	1	201/2	If=10mA	Viewing angle at 50% Iv
	mcd	1	450	1	Ιν	*1 If=20mA	Luminous intensity *1
	<	4.0	3.5	1	< _f	If=20mA	Forward voltage
	N RC	1	525	+	λdom	If=20mA	Dominant wavelength
	D _B	1	25	1	Δλ	If=20mA	Spectral half bandwidth
	D _M	+	525	1	\peak	If=20mA	Wavelength at peak emission
	Unit	Max	Тур	Min	Зупрог	on	rai ailletei
	:		Value		Symbol	Test	

* 1 Note: Luminous intensity tolerances are ±10%



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OPTICAL CHARACTERISTIC CURVES

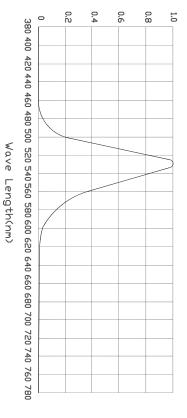
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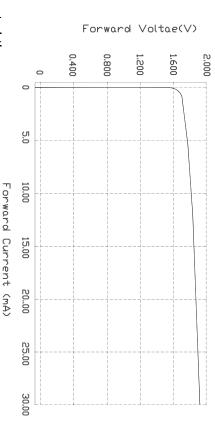
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Spectral Radiance (Peak @525nm)

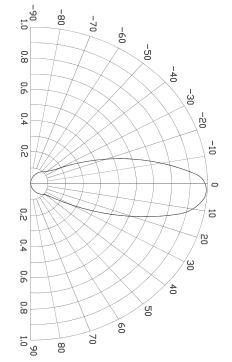


Normalized Response

Forward Current vs Forward Voltage



Directive Characteristics



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U.O.M.: INCHES [mm]			4155	П	Multi Color LED
SHEET: 1 OF			02P5950	ELECTRONIC FILE	, LED
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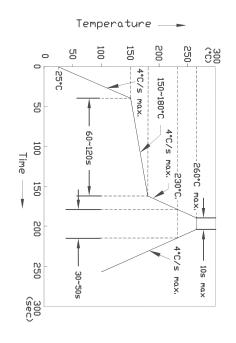


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Reflow Temp/Time

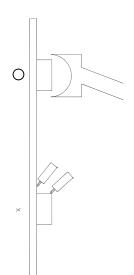


Soldering Iron

Basic Spec is $<\!5$ 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 temperature should be controllable. Surface temperature of the device should be under 230°C.

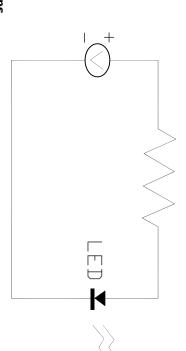
Rework

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



Test circuit

×××× ××××



Handling precautions

Over-current-proof

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

2. Storage

2.1 It is recommended to store the products in the following conditions: Humidity: 60% R.H. Max. Temperature: 5%-30% (41%-86%)

2.2 Shelf life in sealed bag: 12 month at $<5\,^\circ\!\!\text{C}\!\!\sim\!\!30\,^\circ\!\!\text{C}$ and $<30\,^\circ\!\!\text{C}$ R.H. after the package is Opened, the products should be used within a week or they should be keeping to stored at $\leq\!\!20$ 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:

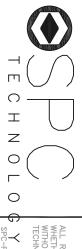
3.1 60 ± 3 °C x(12~24hrs) and <5%RH, taped reel type 3.2 100 ± 3 °C x(45min~1hr), bulk type 3.3 130 ± 3 °C x(15~30min), bulk type

When you discover that the desiccant in the package has a pink color (normal=blue), you Should treat them in the same conditions



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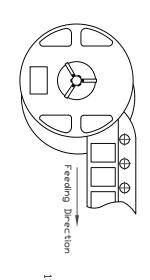
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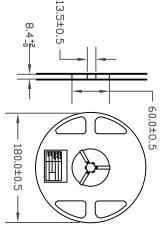
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SMD Chip LED Lamps Packaging Specifications



Dimensions of Reel (Unit: mm)





Arrangement of Tape

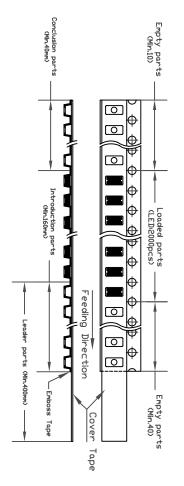
Dimensions of Tape (Unit: mm)

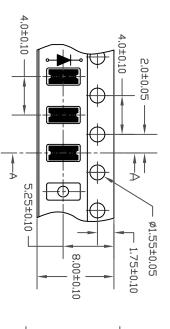
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NOTES

- Empty component pockets are sealed with top cover tape
 The maximum number of missing lamps is two
 The cathode is oriented towards the tape sprocket hole in accordance with ANSI/EIA RS-481 specifications
 The cathode is oriented towards the tape sprocket hole in accordance with ANSI/EIA RS-481 specifications
 2,000 pcs/Reel

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