JZ-S35280AWW-DT

承 认 书

外形尺寸：	□ 合格 □ 不合格
角度确认：	□ 合格 □ 不合格
分光等级：	□ 合格 □ 不合格
公差等级：	□ 合格 □ 不合格
其它要求：	□ 有 □ 无
客户签名：	
九洲光电子业务签名	

你对下列问题的回答，有助于我们更好的改进我们的产品和服务，并为您提供更优质的产品：

1. 您以往使用此产品有出现过什么品质问题？

2. 您对此产品的使用和操作条件清楚吗？

JZ SMD LED

MODE # JZ-S35280AWW-DT

DATA SHEET

120-degree, 3.5(L)×2.8(W)-mm, PLCC2 TOP SMT LED in worm white with Yellow diffused lens(epoxy) and white surface shell

Applications

- Indicator
- Decoration
- Back-light
- Others

Absolute Maximum Ratings (T_A = 25°C)

Items	Symbol	Absolute Maximum Rating	Unit
Forward Current	I_F	25	mA
Peak Forward Current Note	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operation Temperature	T_{opr}	-30~+85	°C
Storage Temperature	T_{stg}	-40~+100	°C
Lead Soldering Temperature	T_{sol}	Max. 260°C for 3 sec. max.	

Notes: Pulse width <=0.1 msec, duty <=1/10.

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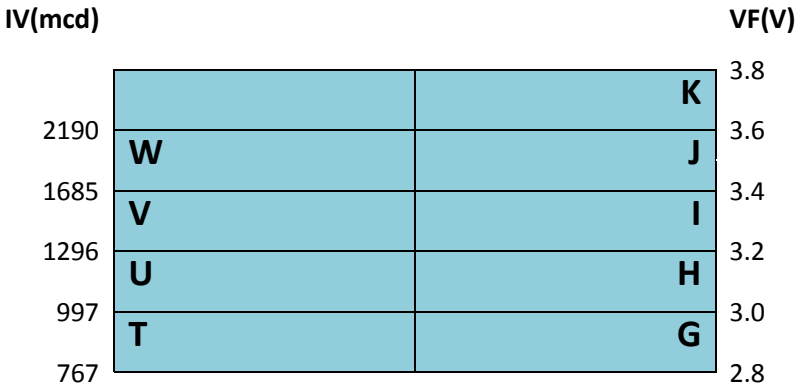
Typical Electrical & Optical Characteristics (T_A=25°C)

Characteristics	Condition	Unit	Symbol	Minimum	Typical	Maximum
Forward Voltage	I_F=20mA	V	V_F	2.8	3.2	4.0
Reverse Current	V_R=5V	uA	I_R	/	10	/
Luminous Intensity	I_F=20mA	mcd	I_V	/	1450	/
Chromaticity Coordinates	I_F=20mA	/	x	/	0.35	/
	I_F=20mA	/	y	/	0.4	/
Viewing Angle at 50% I_V	I_F=20mA	deg	$2\theta^{1/2}$	/	120	/

Standard Bins for JZ-S35280AWW-DT (I_F=20mA)

Lamps are sorted to luminous intensity (I_V) and chromaticity coordinates (x,y) bins shown.Orders for JZ-S35280AWW-DT may be filled with any or all bins contained as below. All luminous intensity (I_V) and chromaticity coordinates (x, y) values shown and specified are at I_F= 20mA.

WHITE



Chromaticity Coordinates (x ,y)

Rank		A1				A2			
Chromaticity Coordinates	x	0.3450	0.3620	0.3920	0.3750	0.3620	0.3790	0.4090	0.3920
	y	0.3300	0.3500	0.3500	0.3300	0.3500	0.3700	0.3700	0.3500
Rank		A3				A4			
Chromaticity Coordinates	x	0.3790	0.3960	0.4250	0.4090	0.3960	0.4130	0.4420	0.4250
	y	0.3700	0.3900	0.3900	0.3700	0.3900	0.4100	0.4100	0.3900
Rank		A5				A6			
Chromaticity Coordinates	x	0.4130	0.4300	0.4600	0.4420	0.4300	0.4470	0.4770	0.4600
	y	0.4100	0.4300	0.4300	0.4100	0.4300	0.4500	0.4500	0.4300

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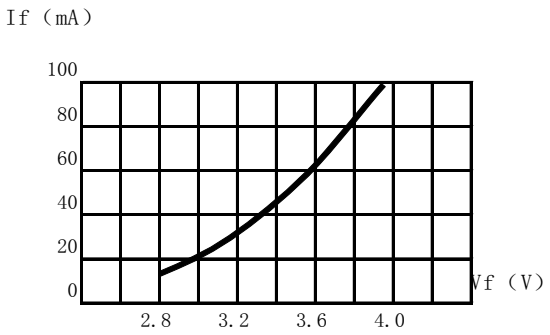
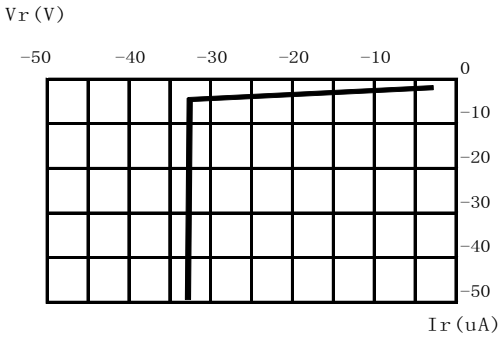
Important Notes:

1. All ranks will be included per delivery; rank ratio will be based on the dice distribution.
2. Tolerance of measurement of luminous intensity is ±10%.
3. Tolerance of measurement of V_F is ±0.05 V.
4. Packaging methods are available for selection; please refer to the "JZ SMD LED Packaging Standard" document.
5. Please refer to the "JZ SMD LED Reliability Test Standards" document for reliability test conditions.
6. Please refer to the "JZ SMD LED Soldering & Handling" document for information about how to use this LED product safely.

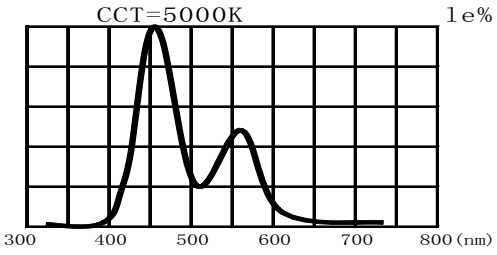
Graphs



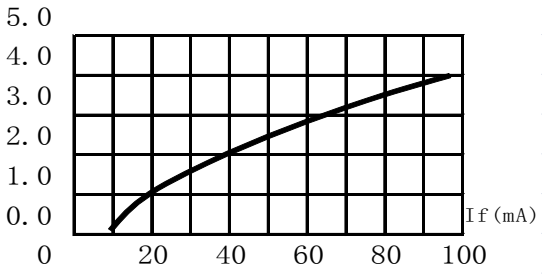
FORWARD CURRENT VS. FORWARD VOLTAGE



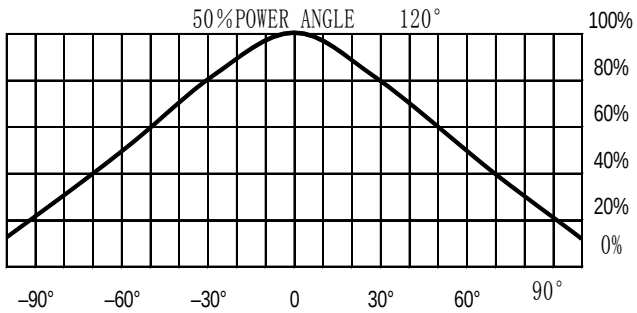
REVERSE CURRENT VS. REVERSE VOLTAGE



RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH



RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT



FAR FIELD PATTERN

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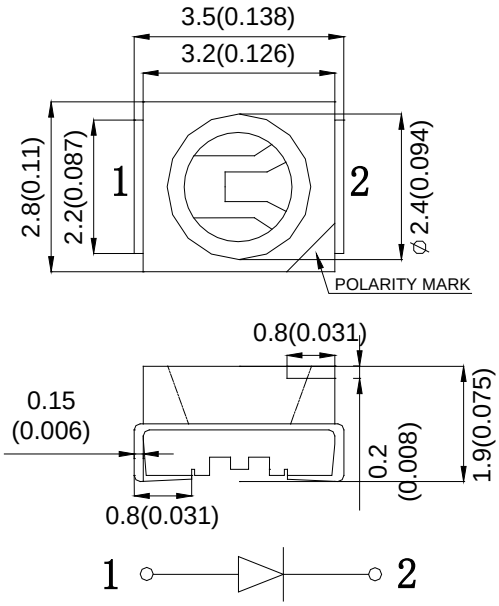
Mechanical Dimensions

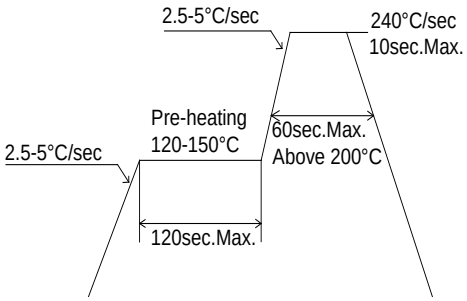


All dimension are in millimeters and (Inch) tolerance is+0.25mm unless otherwise noted.

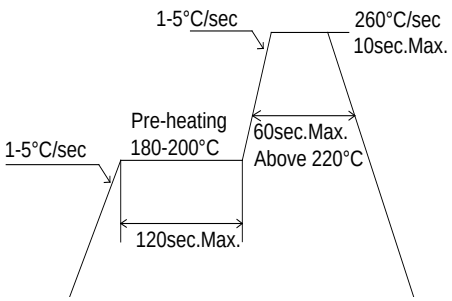
SMT Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.

1.Lead Solder

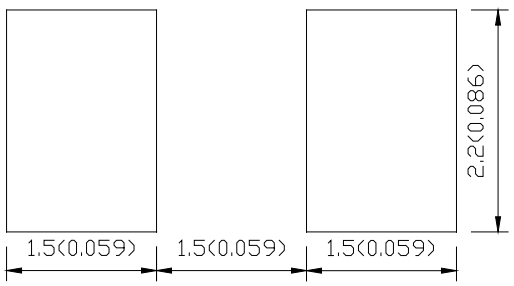


2.Lead-free Solder



Recommended Soldering Pattern

<Units:mm>



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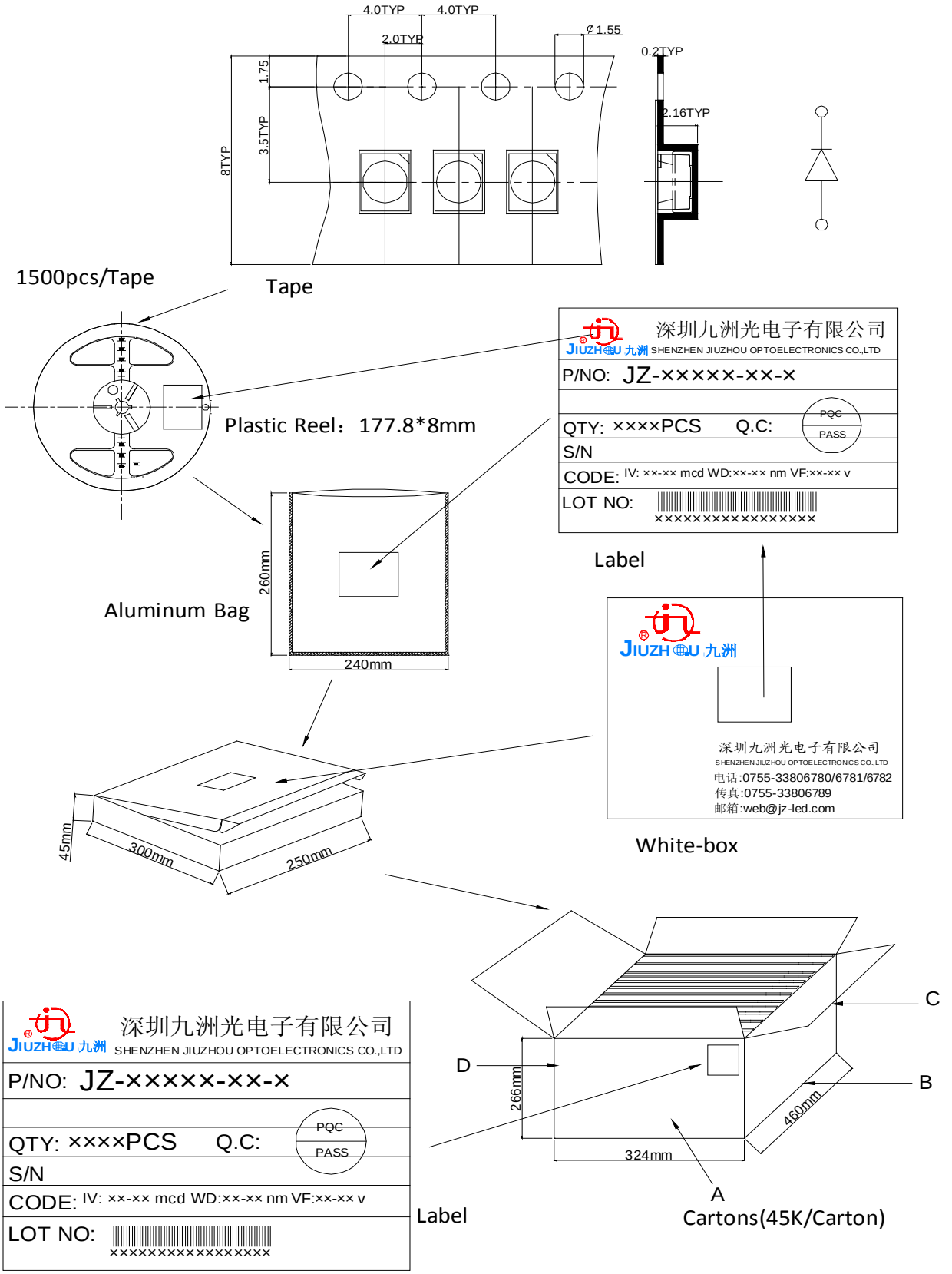
Packet Specifications



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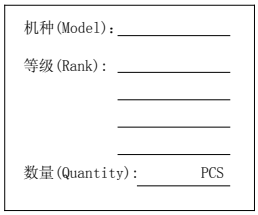
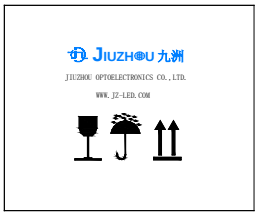


A

B



C

D

CAUTIONS:

Storage time

1. The operation of Temperature and RH are: 5℃~35℃, RH60%.
2. Once the package is opened, the products should be used within a week. Otherwise, they should be kept in a damp proof box with descanting agent. Considering the Led life, we suggest our customers to use our products within a year (from production date).
3. If opened more than one week in an atmosphere 5℃~35℃, RH60%, they should be treated at 60℃±5 ℃for 15hours.

Cleaning

Use alcohol-based cleaning solvents such as isopropyl alcohol to clean the LED.

ESD (Electrostatic Discharge)

Static Electricity or power surge will damage the LED. Use of a conductive wrist band or anti-electrostatic glove is recommended when handing these LED. All devices, equipment and machinery must be properly grounded

Notes

RoHS Compliance

The levels of environmentally sensitive, persistent biologically toxic (PBT), persistent organic pollutants (POP), or otherwise restricted materials in this product are below the maximum concentration values (also referred to as the threshold limits) permitted for such substances, or are used in an exempted application, in accordance with EU Direc- tive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), as amended through April 21, 2006.

Vision Advisory Claim

Users should be cautioned not to stare at the light of this LED product. The bright light can damage the eye.

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