



SHENZHEN AGLARE LIGHTING CO., LTD.

Tel: +86-755-88868631

FAX: +86-755-88863251

E-mail: Aglare@aglare.cn

Website: <http://www.aglare.cn>

Add: Factory A, Supply and Marketing Cooperative Park Guanlan Avenue, Guanlan Town Bao'an District, Shenzhen City, Guangdong, China

Specification for Approval

Customer: _____

Product: **YJ-S2835W**

Part No.: _____

Ref. No: _____

Date: **2017-06-19**

Made by Shenzhen Aglare Lighting Co. Ltd

Production Dept	Q.C. Dept	Engineering Dept	Marketing Dept
Wen Liu	Fang Yang	Jiang Yang	Fang Wang

Approved by

Engineering Dept	Production Dept	Q.C. Dept	Manager



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1.Features:

High-power LED with 0.3W Power and 120 mA Forward Current

1: Emitting colors: Red, Green, Blue, Yellow, Pure white and Warm white

2: Part Number: YJ-S2835W

3: High-power LED

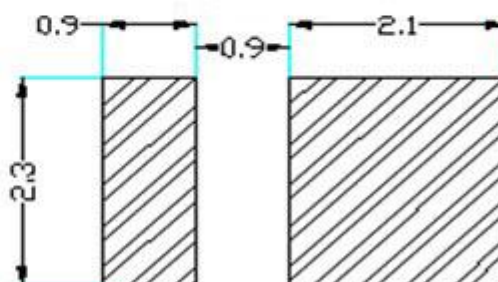
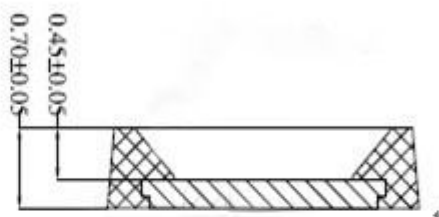
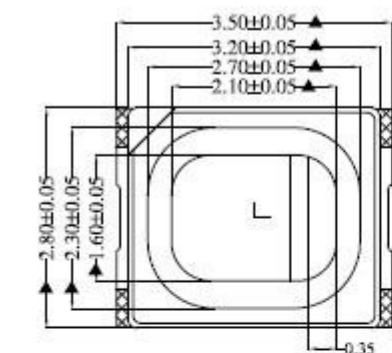
3: Forward voltage: 3.0 to 3.2V

4: Forward current: 120mA

5: Power: 0.3W

6: Big viewing angle: 120 degrees

2.Package Dimensions (mm):



unit:mm



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3. Absolute Maximum Rating at TA=25°C:

Part Number	Chip Material	Lens Type	Emitting Color	Dominant Wavelength		Luminous (LM)		IF (mA)	Wattage(W)
				MIN	MAX	MIN	MAX	TYP	
YJ-S2835 NW	InGaN	Yellow	Neutral White	/	/	45	50	120	0.3W

4. Characteristic:

Electro-Optical characteristics (Pure White)

(Ta=25°C)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Color temperature	If=120mA			4000		K
Forward voltage	If=120mA		3.0		3.2	V
Luminous intensity	If=120mA		45		50	LM
Viewing angle at 50% IV	If=120mA		120		140	Deg
Operating temperature range			-25		60	°C
Storage temperature range			-40		80	°C

5. Lumen Decrease

Operating time (hours)	Lumen decrease [%]
1000	- (5-10)
5000	3-5
20000	10



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6. Samples test report

No	Item	Testing conditions	Test cycle	Test samples no.	Ac/Re
1	Tin-plated test	Temp: 260℃±5℃	5 secd.	76 PCS	0/1
2	Back & forth test under high & low temp at intervals	High temp.: +85℃30min to 5min to -55℃30min	50 bout	76 PCS	0/1
3	Heat pounding test	High emp.: +100℃ 30min To 10sec to -10℃30min	50 bout	76 PCS	0/1
4	High storage temp.	Temperature: 100℃	1000 Hr.	76 PCS	0/1
5	Low storage temp.	-55℃	1000 Hr.	76 PCS	0/1
6	Test under high temp.& high Humidity	85℃/85%RH	1000 Hr.	76 PCS	0/1
7	Electrostatic Discharge (HBM)	ESD	2000v	76 PCS	0/1

7. Points For Attention

(I) SOLDER CONDITIONS

i Iron Soldering: the Iron (max 30W) end temperature less than 300℃, soldering time≤3 seconds, soldering position is minim 2mm from body.

ii Dip Soldering: Max temperature is 260℃, time ≤5, the position is minim 2mm from body.

(II) PIN MOULDING METHOD

i Bracket must be bent only if 2mm from colloid.

ii Bracket mould must be finished by fixture or professionals.

iii Bracket mould must be finished before soldering.

iv Bracket mould should assure the consistent between the pin, the distance gap of leads and the circuit board.

(III) LED ASSEMBLY METHOD

i. It should be pay attention to the ordering of all the devices in case of wrong polarity. Devices can't be too close to the heat components, working conditions can't surpass the limits.

ii. It should not assemble LED when the leads are deformed.

iii. When decide to assemble in holes, accurately account the sizes of holes and holes distance of the line base

iv. Suggest using guard sheath positioning

v. It should avoid any kinds of quake or force on LED, before the soldering temperature returns normal.

(IV) CLEANING

It should be very cautious. When clean the body with chemicals. Some chemicals may bring damages to the surface, and bring color fading, such as, Trichloroethylene, Acetone. Should use ethanol to wipe, dip for no more than 3 minutes under the normal temperature.



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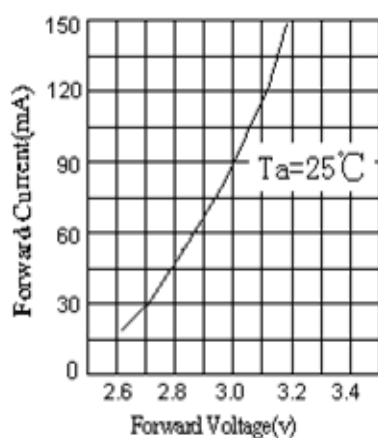
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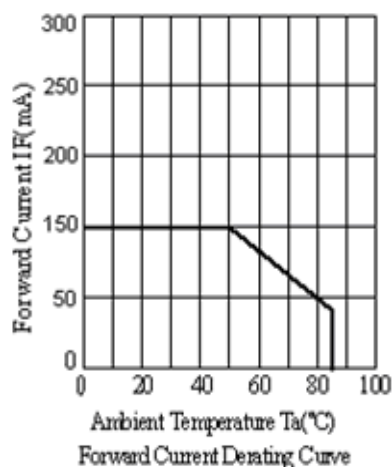
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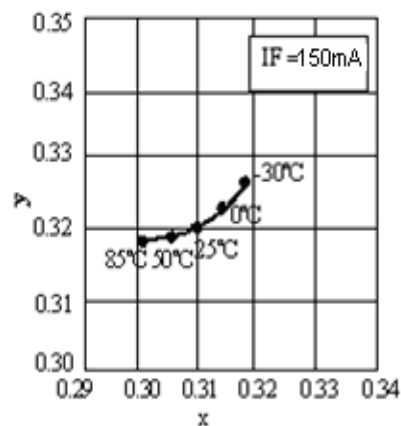
8. Typical electric performance graphs



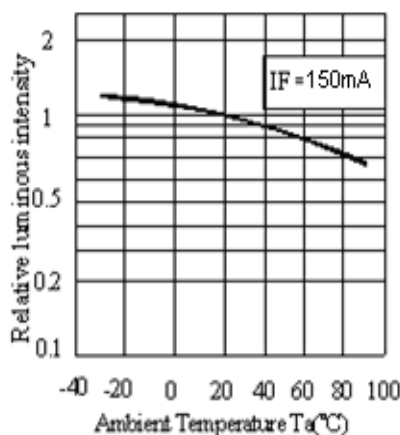
Forward Current vs. Forward Voltage



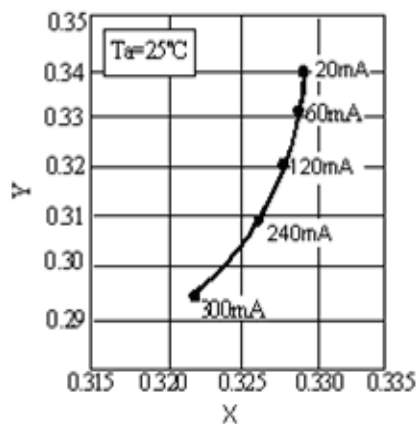
Forward Current Derating Curve



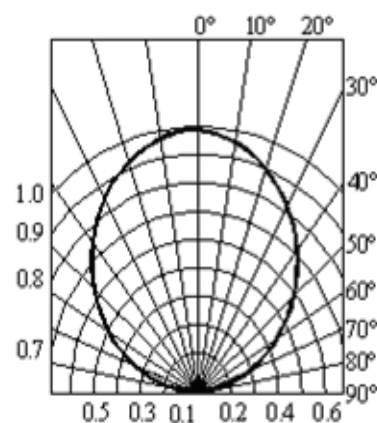
Ambient Temperature vs. Chromaticity Coordinate



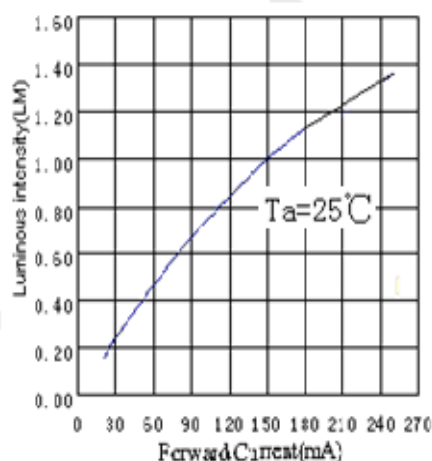
Luminous Intensity vs. Ambient Temperature



Forward Current vs. Chromaticity Coordinate



Spatial Distribution





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9.Packing Specification

UNIT:MM

