



深圳市晶盟电子科技有限公司

Shen zhen jing au electronic technolodg to LTD

产品规格书 SPECIFICATION

客户名称 (CUSTOMER) : _____

产品型号 (MODEL) : JM-ZJJM0201YL

制作 Prepared By	审核 Checked By	批准 Approved By
版本号 (The version number) : A0		
发放日期 (Issuing date) :		

客户确认 Approved Signatures		
研发确认 Checked By	品管确认 Validated By	采购确认 Validated By
<input type="checkbox"/> 接受 (Qualified) <input type="checkbox"/> 不接受 (Disqualified)		

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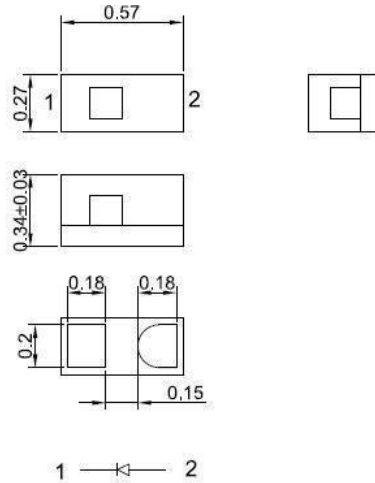
Features

- Ideal for indication light on hand held products
- Long life and robust package
- Standard Package:blue tape
- MSL (Moisture Sensitivity Level): 1
- Halogen-free
- RoHS compliant



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Package Schematics



Notes:

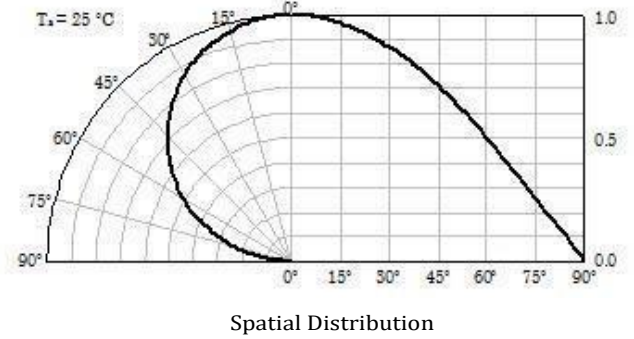
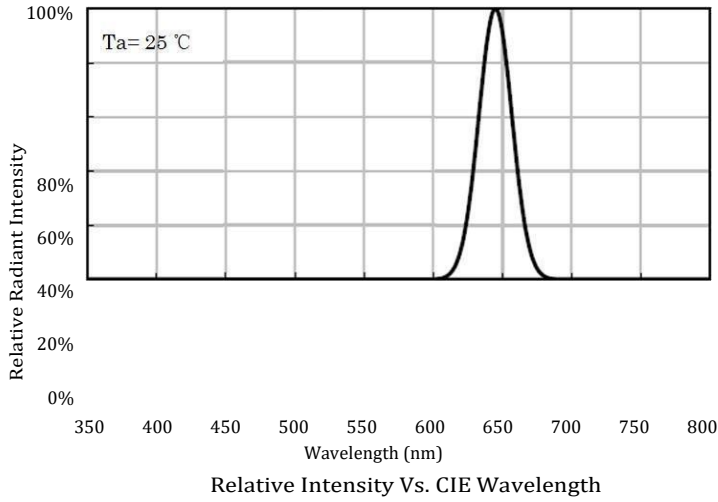
- 1.All dimensions are in millimeters.
- 2.Tolerance is ± 0.1 unless otherwise noted.
- 3.Specifications are subject to change without notice.

Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		Yellow (AlGaInP)	Unit
Reverse Voltage	V_R	13	V
Forward Current	I_F	20	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	60	mA
Power Dissipation	P_D	60	mW
Electrostatic Discharge Threshold (HBM)		3000	V
Operating Temperature	T_A	-40 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +85	

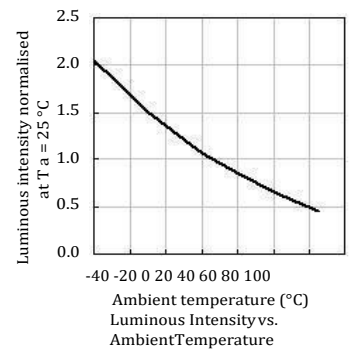
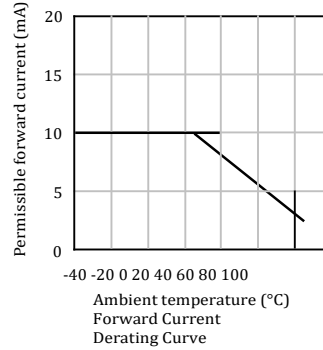
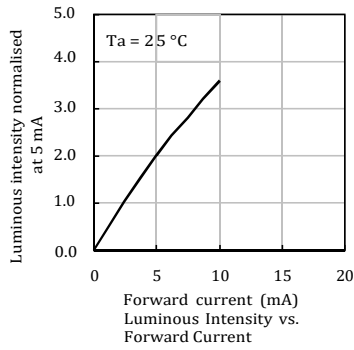
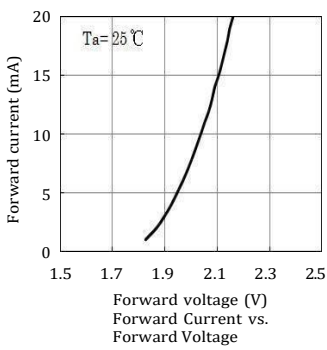
A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)

Operating Characteristics ($T_A=25^\circ\text{C}$)		Yellow (AlGaInP)	Unit
Forward Voltage (Typ.) ($I_F=5\text{mA}$)	V_F	2.0	V
Forward Voltage (Max.) ($I_F=5\text{mA}$)	V_F	2.3	V
Reverse Current (Max.) ($V_R=13\text{V}$)	I_R	0.1	μA
Wavelength of Peak Emission CIE127-2007* (Typ.) ($I_F=5\text{mA}$)	λ_P	594	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) ($I_F=5\text{mA}$)	λ_D	589	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=5\text{mA}$)	$\Delta\lambda$	14	nm

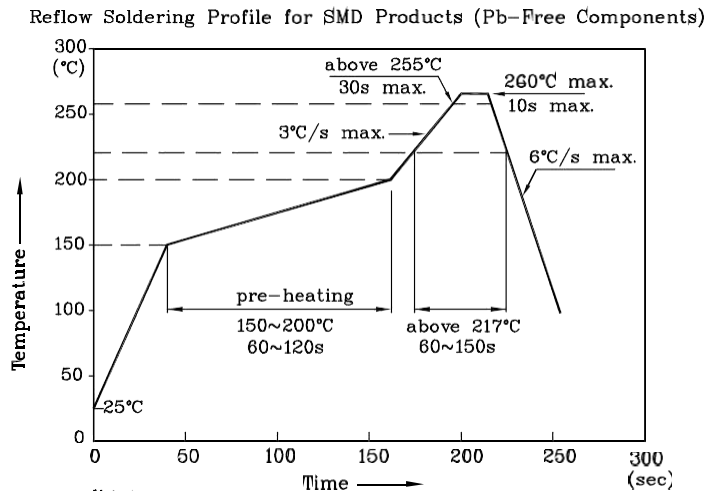
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007 ($I_F=5\text{mA}$) mcd		Wavelength CIE127-2007 λ_D nm	Viewing Angle 2 θ 1/2
				min.	typ.		
JM-ZJIM0201YL	Yellow	AlGaInP	Water Clear	30	40	589	120



❖ **Yellow**



LED is recommended for reflow soldering and soldering profile is shown below.

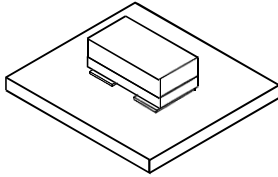


Notes:

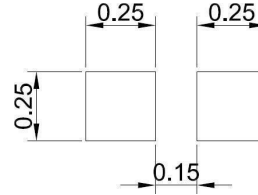
1. All temperatures refer to the center of the package measured on the package body surface facing up during reflow.
2. Do not apply any stress to the LED during high temperature conditions.
3. Maximum number of soldering passes: 2



❖ The device has a single mounting surface.
The device must be mounted according to the specifications.

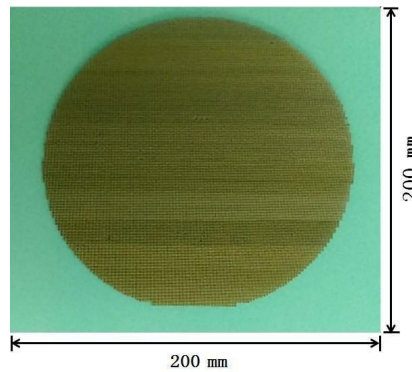


❖ Recommended Soldering Pattern
(Units : mm; Tolerance: ± 0.1)



Mask open area ratio:80%
Mask thickness:60~80um

❖ Blue Tape Dimension (Units : mm)



满Bin颗粒数: 17877

❖ LABEL SPECIFICATIONS



TERMS OF USE

1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
2. Contents within this document are subject to improvement and enhancement changes without notice.
3. The product(s) in this document are designed to be operated within the electrical and environmental specifications indicated on the datasheet. User accepts full risk and responsibility when operating the product(s) beyond their intended specifications.
4. The product(s) described in this document are intended for electronic applications in which a person's life is not reliant upon the LED. Please consult with a SINO CRYSTAL representative for special applications where the LED may have a direct impact on a person's life.
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