WWW.100Y.COM.TW PART NO: ALUW5050A-612-I15

特力材料886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787

Http://www.100y.com.tw

Features:

1. Low power consumption

2. High efficiency

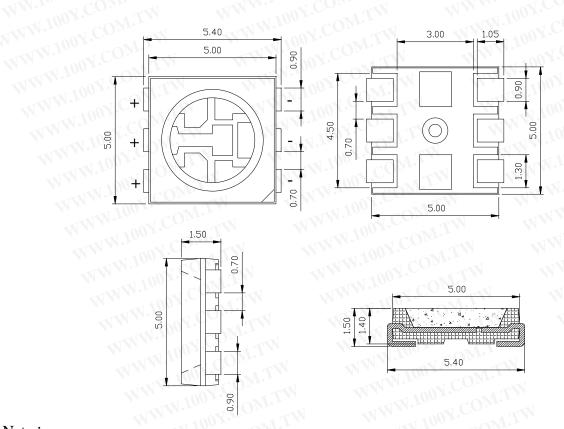
3. Reliable and rugged

4. Chip Material: InGaN

5. Lens Color: Yellow diffuse

6. Source Color: Pure White

Outline Dimensions:



Note:

- All dimensions are in millimeters (inches)
- Tolerance is ±0.25mm (.010") unless otherwise noted 2.
- 3.
- Lead spacing is measured where the leads emerge from the package.

 Specifications are subject to show. WWW.100Y.COM.TW WWW.100Y.COM.TW
- 5. Specifications are subject to change without notices.

100Y.COM.TW **Absolute Maximum Ratings at Ta=25°C:**

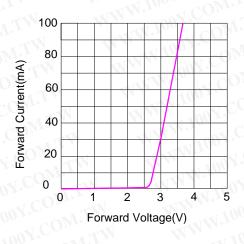
Parameter Parameter	Maximum		
Power Dissipation	360	mW	
Peak Forward Current (1/10 Duty Cycle,0.1ms Pulse Width)	W WWW.100 W.COM.TW	mA	
Continuous Forward Current	90 COMT	mA	
Derating Linear From 50°C	0.5	mA/°C	
Reverse Voltage	OM.TW 5WW.100Y.COM	M TW V	
Operating Temperature Range	-40°C to + 100°C		
Storage Temperature Range	-40°C to + 100°C		
Lead Soldering Temperature [4mm(0.175") from body]	260°C for 5 Seconds		

■ Electrical/Optical Characteristics at Ta=25°C:

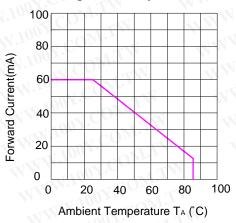
Parameter	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Luminous Intensity	Iv.	I _F =60mA	7000	8000	WWW.I	mcd
Viewing Angle	2 θ 1/2	I _F =60mA	MAN. 100 X.C	120	MMM	deg
Forward Voltage	$V_{\rm F}$	I _F =60mA	2.9	3.1	3.5	W.100
Reverse Current	I_R	V _R =5V	WWW.10	OX.COM.T	10	uA
Chromaticity	X	I _F =60mA	0.3	1001.COM	0.34	NW.
Coordinates	y	OY.COM.TW	0.29	1.100 - CO	0.33	1

■ Typical Electro-Optical Characteristics Curves

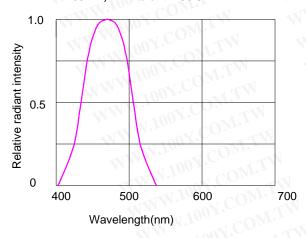
Relative Luminous Intensity vs Forward Current, *T Ambient*=250 C



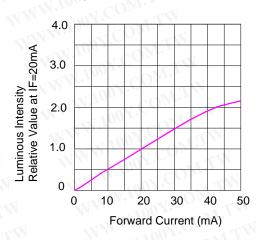
Forward Current Derating Curve, Derating based on TjMAX=85~C



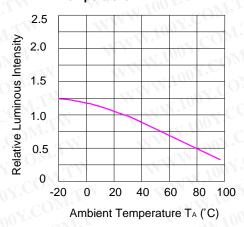
Relative Spectral Distribution, IF=60mA, T Ambient=25o C

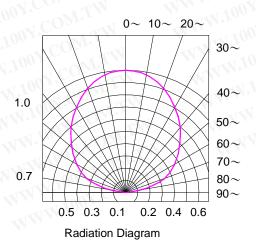


Relative Luminous Intensity vs Forward Current, *T Ambient*=250 C



Luminous Intensity VS Ambient Temperature

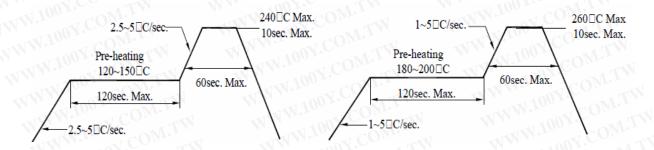




Soldering condition

Reflow Soldering			Hand Soldering		
	Lead Solder	Lead – free Solder	Too N.COM.	N	
Pre-heat	120~150°C	180~200°C	Temperature	350°C Max.	
Pre-heat time	120sec. Max.	120sec. Max.	Soldering time	3sec. Max. (one time only)	
Peak temperature	240°C Max.	260°C Max.	ary 100 r. com		
Soldering time	10sec. Max.	10sec. Max.	1007.00		
Condition	refer to Temperature- Profile 1	refer to Temperature- Profile 2	M.M. 100X.CO.	M.TW	

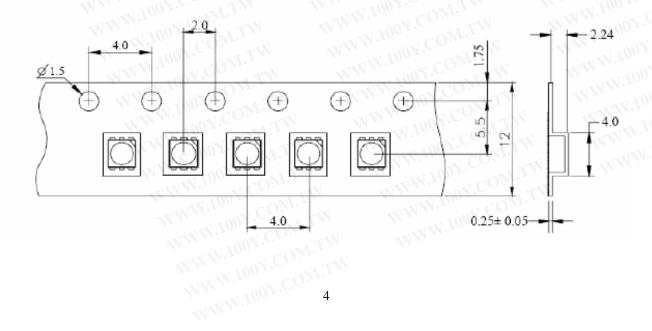
Temperature profile in re-flow machine for lead type and lead free type



Storage condition

In order to avoid the absorption of moisture, it is recommended to store in the dry box (or desiccators) with a desiccant. Otherwise, to store them in the following environment is recommended. Temperature: 5°C ~30°C Humidity: 60%HR max.

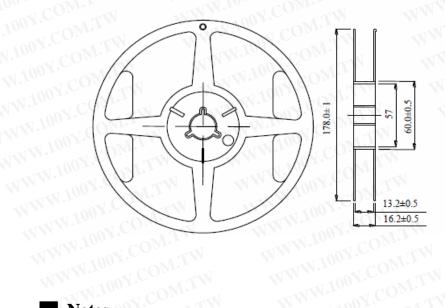
Dimension of carrier tape

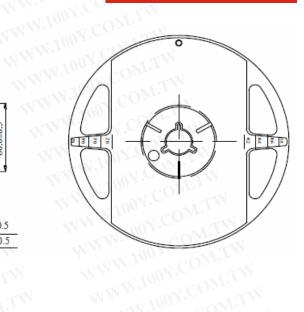


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Dimension of reel





Notes

- 1. All dimensions are in mm, tolerance is±2.0mm unless otherwise noted.
- 2. Specifications are subject to change without notice.

Packing

- 1.1. 1000 piece of SMD 5050 Products on one reel. The reel will be put in the anti-static bag then sealed.

 1.2. 1000 piece of SMD 5050 products on one bag. WWW.100Y.COM.TW WWW.100Y.COM.TW