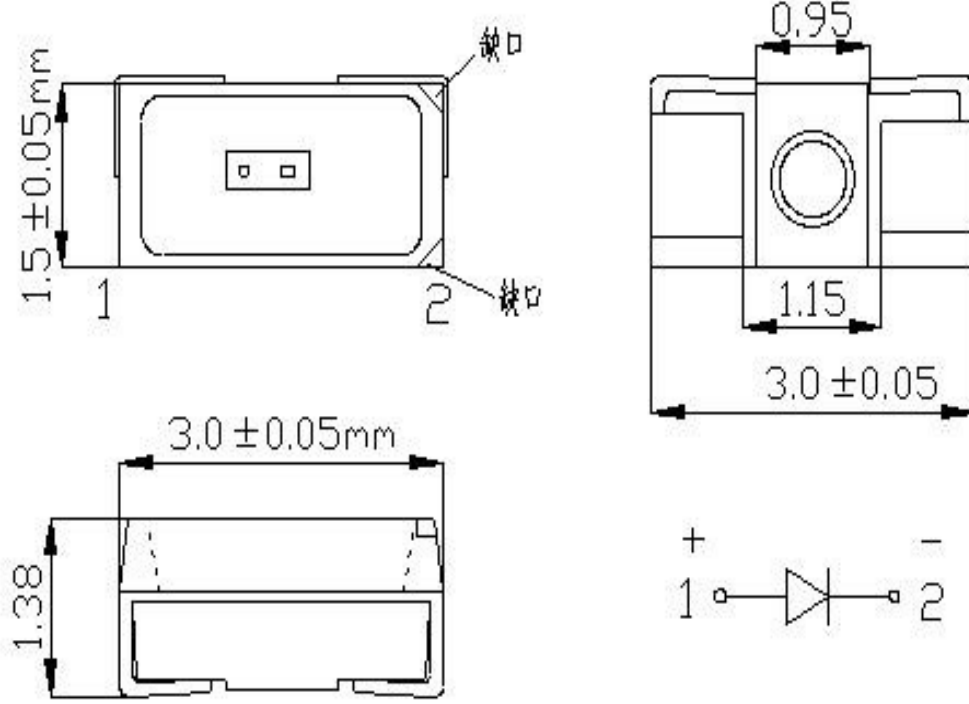

Approve Sheet

/Product	LED	
/Part Number	3014	
	IE-3014O-SB-R-A15-Y	
/Issue Date		
/customer specification		
/Customer		
/VF (V)	2.8-3.4V	
/Color Bin		
/CRI		
/remarks		
/Maker		
Prepared	Checked	Customer Confirmation

■ PackageDimensions:



Notes

- All dimensions are in millimeters (inches).
- Tolerance is $\pm 0.25 \text{ mm}$ (.010") unless otherwise noted.
- Protruded resin under flange is 1.0 mm (.04") max.
- Lead spacing is measured where the leads emerge from the package.
- Specifications are subject to change without notice.

Absolute Maximum Ratings at TA=25°C

Parameter	Value	Unit
Power Dissipation	100	mW
Pulsed Forward Current (1/10 Duty Cycle, 0.1ms Pulse width)	60	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA /°C
Reverse Voltage	5	V
Operation Temperature Range	-30°C to +80°C	
Storage Temperature Range	-40°C to +80°C	
Lead Soldering Temperature [4mm (.157") From Body]	260°C for 5 Seconds	

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Luminous Intensity	IV	8		10	Lm	IF=30mA
Viewing Angle	2θ1/2	110		120	deg	Note 2
Source Color	CCT	1500-1700			K	IF=30mA
Forward Voltage	VF	2.8	--	3.0	V	IF=30 mA
		3.0		3.2		
		3.2		3.4		
Reverse Current	IR	--	--	5	μA	VR=5V

Notes

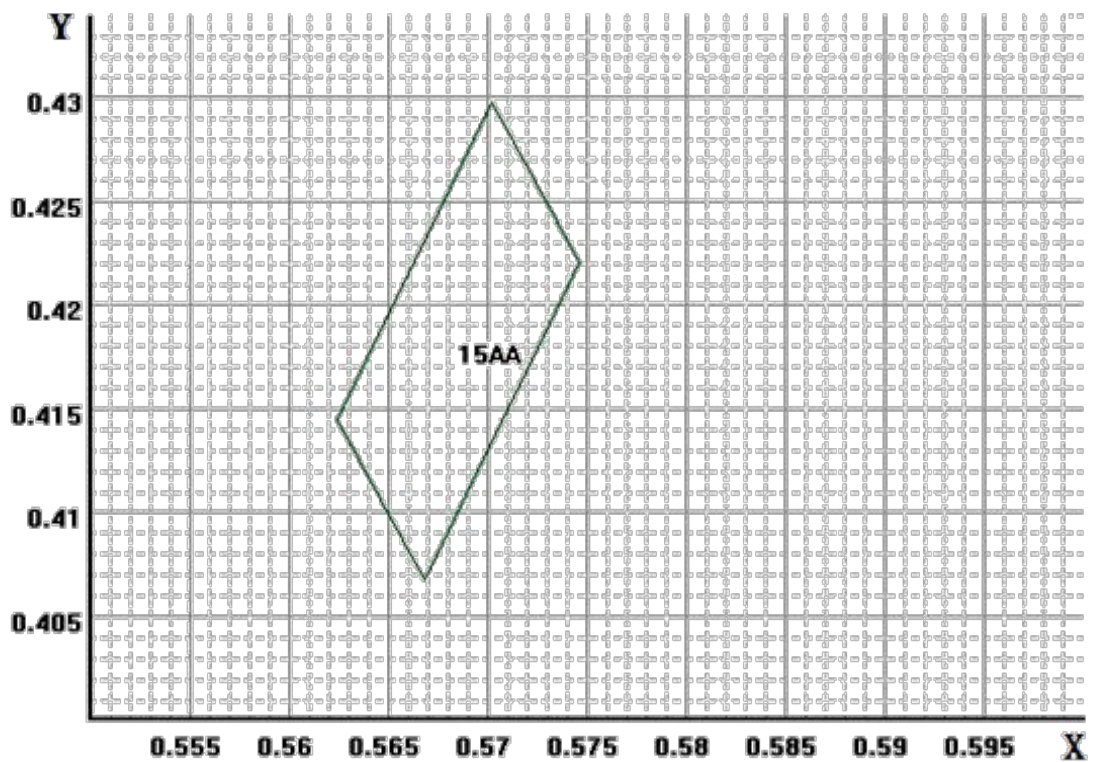
- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission International De L'Eclairage) eye-response curve. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous and intensity. The dominant wavelength, λ_d is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device. The IV guarantee should be added $\pm 15\%$.

INTENSITY BIN LIMIT (IF=30mA)

white

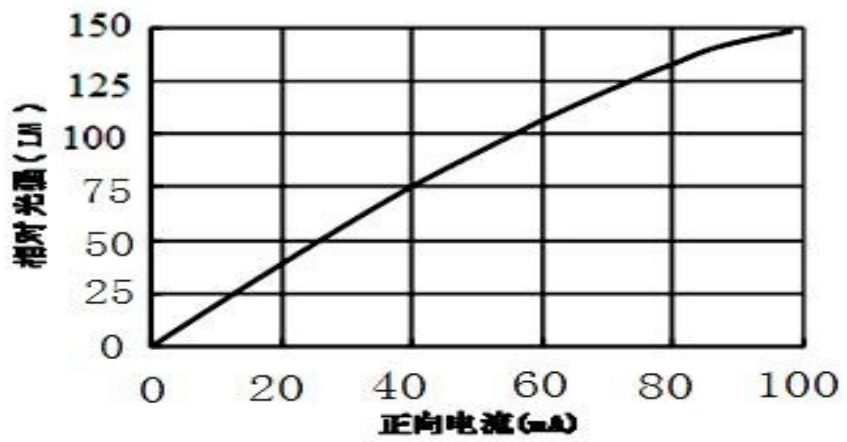
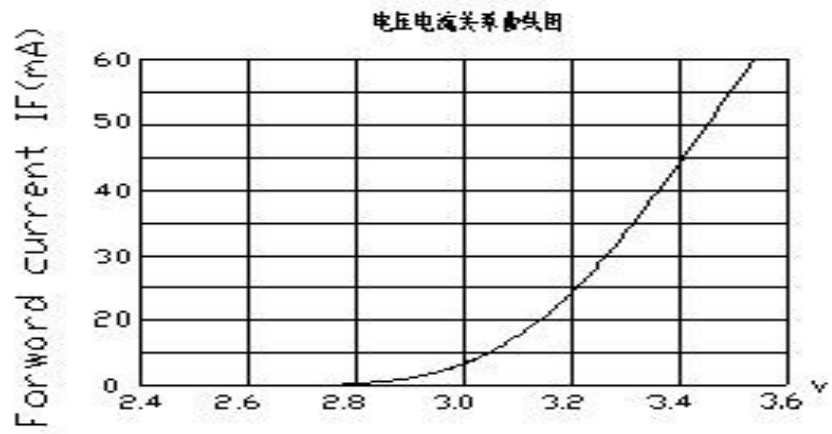
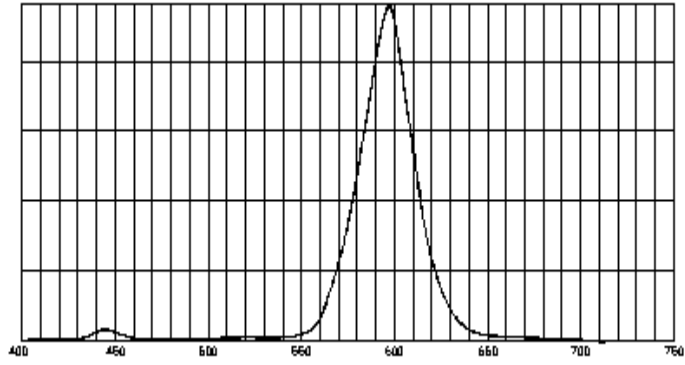
Bin Code	Min(lm)	Max(lm)
A	8	10

COLOR BIN LIMIT (IF = 30mA)



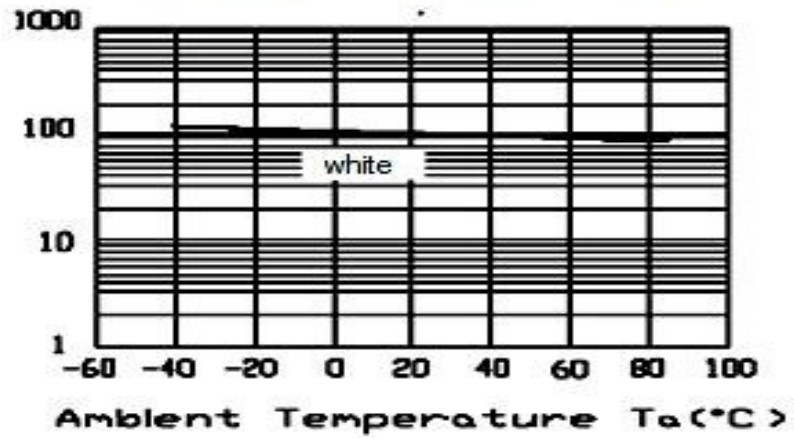
色区图色坐标示	
X	Y
0.5703	0.4297
0.5746	0.422
0.5668	0.4067
0.5625	0.4144

Optical Characteristics

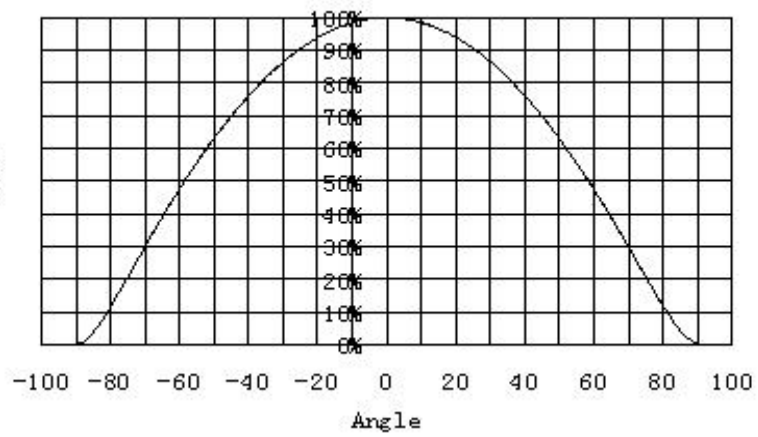


Relative luminous intensity (%)

亮度/流明与温度的关系曲线图



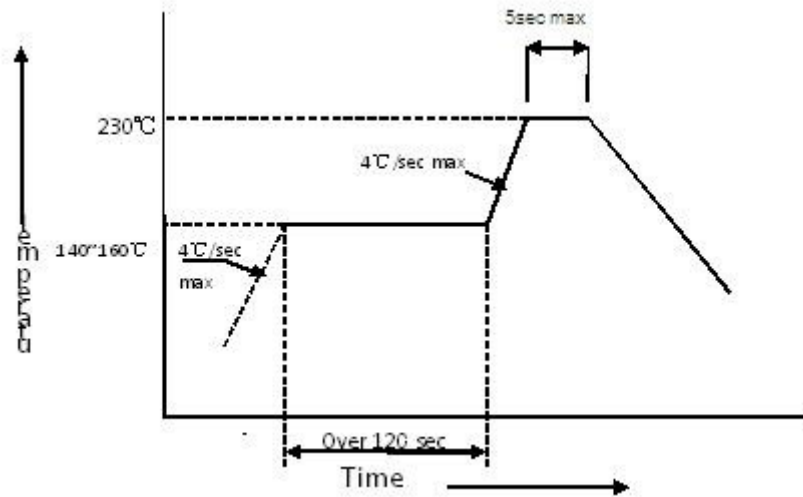
Luminous intensity relative value



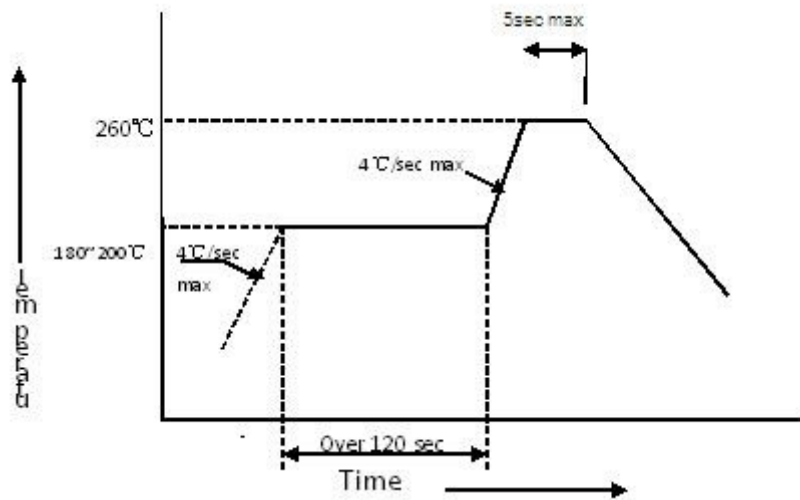
Reflow Soldering Instructions

Number of reflow process shall be less than 1 times and cooling

1>Lead Solder

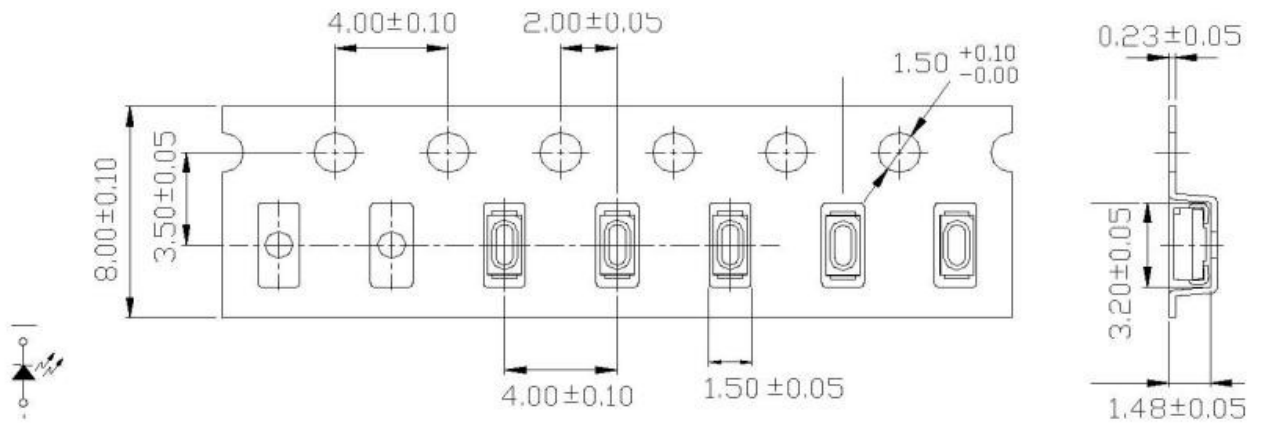


2>Lead-Free Solder



Tape Specifications

<Units:mm>



Adhesion Strength of Cover Tape : Adhesion strength to be 0.1 – 0.7N when the cover tape is turned off from the carrier at 10° angle to be the carrier tape.

SMD LED

